

# ST. BERNARD LIT CORRIDOR ROUTE: NEW ROADWAY

## ST. BERNARD PARISH

Contract No. 4400035009

State Project No. H.015428.2

Federal Aid Project No. H015428



*Looking West along EJP Drive/LA39 from  
Port NOLA LIT Site Vicinity*

*To West – Inside 40 Arpent Levee*



# **SECTIONS 1 - 13**

April 15, 2026

Attn: Melissa LeBas, LADOTD Contract Manager  
Department of Transportation and Development  
1201 Capitol Access Road, Baton Rouge, LA  
70802-4438

RE: CONTRACT NO. 4400035009

Sincerely,

Stantec Consulting Services Inc.



Gary Heitman, PE, Principal-in-Charge  
gary.heitman@stantec.com | (225) 215-5105



Scott Hoffeld, CEP, Project Manager  
scott.hoffeld@stantec.com | (225) 532-3470



1200 Brickyard Lane Suite 400  
Baton Rouge, Louisiana 70802

Stantec brings LADOTD a known and strong regional team for this significant project with national PEL expertise and specific talents such as structure design and toll/revenue planning. We understand the need for accelerated project delivery of the Louisiana International Terminal (LIT), local freight capacity, and hurricane evacuation. We plan to address and enhance the St. Bernard community and find solutions to resolve all environmental and permit challenges. Stantec and its diverse teaming partners ardently collaborated to develop an approach which addresses the operational and environmental challenges at hand. We have also met with the St. Bernard and Port of New Orleans (PONO) staff on key concerns and implementation plans that will influence scheduling, contracting and the ultimate transition of the project from LADOTD to project implementation. As a result, the Stantec team:

- » understands the objectives, local challenges, and needs of LADOTD, St. Bernard Parish, and PONO
- » will assist LADOTD to apply strategy formulation insights learned from our PEL success with other state DOTs and MPOs
- » will directly apply our NEPA and USACE permitting experiences, including at PONO LIT
- » has proven success with expediting LADOTD projects
- » has shown the ability to reduce costs for LADOTD (e.g., Garrett Road)
- » provides a deep bench of capabilities and available staff to expedite the project
- » maintains strong local relationships and a reputation for accountability and trust with local community members, leaders, and stakeholders

Our optimized schedule integrates appropriate contracting time for realism. We have likewise exerted substantial thought regarding project and schedule risks, especially concerning agency coordination and early permit work. We identify several acceleration techniques in the approach and hope to further collaborate with LADOTD on an aggressive critical-path schedule.

Please review the details of our team's applicable project experience in Section 17, which illustrate the value of each teaming partner. MPR staff resumes are in Section 16 with left-hand orange badges for quick reference. Our staffing chart in Section 14 denotes staff exceeding MPRs.

LADOTD staff might recall that Stantec provided PEL training in early 2025, sharing national examples from our suite of evolving techniques. You have placed your NEPA and design trust in Stantec many times before, and we're proud to offer a collaborative team that demonstrates the planning, environmental, and engineering capability needed to execute this expedited schedule. You can count on us to exceed expectations and deliver a project that is credible and defensible with smooth transitions from Pre-NEPA to NEPA to Design/Delivery. Thank you for considering our proposal. We look forward to the opportunity to work with LADOTD.

## Our Team

|                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                    |                                                                                                                                                                                 |                                             |                                                                                                            |                                                                                                         |                                                                                                                      |                                                                |                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stantec Consulting Services Inc.</b> <ul style="list-style-type: none"><li>• Project Management/Controls</li><li>• QA/QC</li><li>• PEL &amp; NEPA</li><li>• Cultural/Natural Resources</li><li>• Noise and Phase I ESA</li><li>• Traffic/Toll &amp; Revenue Services</li><li>• Design, Hydraulic, and Geotechnical Engineering</li><li>• MPRs: 1-11, 13-15, 22-24</li></ul> | <b>G.E.C., Inc.</b> <ul style="list-style-type: none"><li>• USACE Coordination</li><li>• Natural Resources &amp; Permitting</li><li>• Phase I ESA</li><li>• PEL Transition and NEPA Compliance</li><li>• Design Engineering</li><li>• Major Projects Compliance</li><li>• MPRs: 7, 8, 9, 15</li></ul> | <b>Gulf South Research Corporation (DBE)</b> <ul style="list-style-type: none"><li>• USACE coordination</li><li>• Permitting, Needs-Justification/Alts. Analysis</li><li>• Cultural and Natural Resources</li><li>• NEPA Compliance</li><li>• MPRs: 8-11</li></ul> | <b>Eustis Engineering LLC</b> <ul style="list-style-type: none"><li>• Geotechnical Engineering</li><li>• MPRs: 18-21</li></ul> | <b>Innovative Contracting and Engineering Professional LLC</b> <ul style="list-style-type: none"><li>• Major Projects Compliance</li><li>• ICE and Constructability</li><li>• MPR: 25</li></ul> | <b>GIS Engineering, LLC</b> <ul style="list-style-type: none"><li>• PEL to NEPA Transition</li><li>• Stakeholder Coordination</li><li>• Support Engineering</li><li>• Surveying QC</li></ul> | <b>Forte &amp; Tablada, Inc.</b> <ul style="list-style-type: none"><li>• LiDAR &amp; Support Photogrammetry</li><li>• Optional Spot-Survey Support</li><li>• SUE Services</li><li>• MPRs: 16-17</li></ul> | <b>Desire Line LLC</b> <ul style="list-style-type: none"><li>• Public/Stakeholder Outreach and Engagement</li><li>• Environmental Support</li></ul> | <b>The Lakvold Group LLC</b> <ul style="list-style-type: none"><li>• Conceptual Stage Relocation Plan</li><li>• Optional ROW Acquisition Planning/Svcs.</li><li>• MPR: 12</li></ul> |

# DOTD FORM: 24-102

## PROPOSAL TO PROVIDE CONSULTANT SERVICES

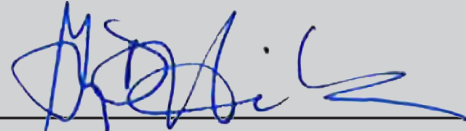
(Revised April 10, 2025)

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING IN-ACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

|    |                                                                                                                                                                                                                                   |                                                                                                                      |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 1. | Contract title as shown in the advertisement.                                                                                                                                                                                     | <b>ST. BERNARD LIT CORRIDOR<br/>ROUTE: NEW ROADWAY</b>                                                               |
| 2. | Contract number(s) as shown in the advertisement                                                                                                                                                                                  | No. 4400035009                                                                                                       |
| 3. | State Project Number(s), if shown in the advertisement                                                                                                                                                                            | No. H015428                                                                                                          |
| 4. | Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20) | Stantec Consulting Services Inc.  |
| 5. | Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)                                                     | EF.0003506                                                                                                           |
| 6. | Prime consultant mailing address                                                                                                                                                                                                  | 1200 Brickyard Lane Suite 400, Baton Rouge, LA 70802                                                                 |
| 7. | Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)                                                                                                                  | 1200 Brickyard Lane Suite 400, Baton Rouge, LA 70802                                                                 |
| 8. | Name, title, phone number, and email address of prime consultant's contract point of contact                                                                                                                                      | <b>Gary Heitman, PE, Senior Principal</b><br>(225) 215-5105   gary.heitman@stantec.com                               |
| 9. | Name title, phone number, and email address of the official with signing authority for this proposal                                                                                                                              | <b>Gary Heitman, PE, Senior Principal</b><br>(225) 215-5105   gary.heitman@stantec.com                               |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10. | <p>This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.</p> <p>Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.</p> |  <hr/> <p>Signature above shall be the same person listed in Section 9:</p> <hr/> <p>Date: April 15, 2026</p> |
| 11. | <p>If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <p><b>Firm // Percentage:</b><br/> Gulf South Research Corporation // 8%<br/> The Lakvold Group LLC // 1%<br/> Desire Line LLC // 4%</p>                                                         |

12. **Discipline Table:**

As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for **each past performance evaluation discipline**, as well as the overall total percent of the contract.

The only disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic).

| Past Performance Evaluation Disciplines                                                                                          | % of Overall Contract | Stantec Consulting Services Inc. (Prime) | G.E.C., Inc. | Gulf South Research Corp. (DBE) | GIS Engineering, LLC | Desire Line LLC (DBE) | Eustis Engineering L.L.C. | Innovative Contracting and Engineering Professional LLC | The Lakvold Group LLC (DBE) | Forte and Tablada, Inc. | Each Discipline must total to 100% |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------|--------------|---------------------------------|----------------------|-----------------------|---------------------------|---------------------------------------------------------|-----------------------------|-------------------------|------------------------------------|
| Bridge                                                                                                                           | 16%                   | 90%                                      | 10%          |                                 |                      |                       |                           |                                                         |                             |                         | 100%                               |
| CE&I/OV                                                                                                                          | 2%                    | 10%                                      | 15%          |                                 |                      |                       |                           | 75%                                                     |                             |                         | 100%                               |
| CPM                                                                                                                              | 0.5%                  |                                          |              |                                 |                      |                       |                           | 100%                                                    |                             |                         | 100%                               |
| Environmental*                                                                                                                   | 44%                   | 36%                                      | 25%          | 19%                             | 10%                  | 9%                    |                           |                                                         | 1%                          |                         | 100%                               |
| Geotech                                                                                                                          | 5%                    | 10%                                      |              |                                 |                      |                       | 90%                       |                                                         |                             |                         | 100%                               |
| Right-of-Way                                                                                                                     | 0.5%                  |                                          |              |                                 |                      |                       |                           |                                                         | 100%                        |                         | 100%                               |
| Road                                                                                                                             | 16%                   | 70%                                      | 30%          |                                 |                      |                       |                           |                                                         |                             |                         | 100%                               |
| Survey                                                                                                                           | 6%                    |                                          |              |                                 | 5%                   |                       |                           |                                                         |                             | 95%                     | 100%                               |
| Traffic                                                                                                                          | 10%                   | 100%                                     |              |                                 |                      |                       |                           |                                                         |                             |                         | 100%                               |
| Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant. |                       |                                          |              |                                 |                      |                       |                           |                                                         |                             |                         |                                    |
| Percent of Contract                                                                                                              | 100%                  | 51%                                      | 18%          | 8%                              | 5%                   | 4%                    | 5%                        | 2%                                                      | 1%                          | 6%                      | 100%                               |

\*Environmental includes Planning work

13. **Firm Size:**

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses.

The DOTD Job Classification(s) to be used can be found at the following link:

[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/CCS/Job\\_Qualification/Job%20Classifications%20with%20Descriptions.pdf](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf)

| Firm Name                        | DOTD Job Classification | Number of personnel committed to this contract | Total number of personnel available in this DOTD Job Classification (if needed) |
|----------------------------------|-------------------------|------------------------------------------------|---------------------------------------------------------------------------------|
| Stantec Consulting Services Inc. | Administrative          | 1                                              | 1                                                                               |
|                                  | Archaeologist           | 1                                              | 2                                                                               |
|                                  | Archaeologist-Tech      | 2                                              | 4                                                                               |
|                                  | Biologist/Wetlands      | 2                                              | 4                                                                               |
|                                  | CADD Technician         | 2                                              | 4                                                                               |
|                                  | Economist               | 1                                              | 2                                                                               |
|                                  | Engineer                | 6                                              | 10                                                                              |
|                                  | Engineer Intern         | 0                                              | 3                                                                               |
|                                  | Engineer - Other        | 8                                              | 5                                                                               |
|                                  | Environmental Pro       | 4                                              | 5                                                                               |
|                                  | Environmental Manager   | 4                                              | 11                                                                              |
|                                  | Geologist               | 1                                              | 2                                                                               |
|                                  | GIS Analyst             | 1                                              | 2                                                                               |
|                                  | Historian               | 1                                              | 0                                                                               |
|                                  | Inspector - Certified   | 0                                              | 2                                                                               |
|                                  | Inspector - Bridge      | 0                                              | 1                                                                               |
|                                  | Landscape Architect     | 1                                              | 3                                                                               |
|                                  | Planner                 | 5                                              | 6                                                                               |
|                                  | Principal               | 3                                              | 5                                                                               |
|                                  | Senior Technician       | 1                                              | 4                                                                               |
|                                  | Supervisor - Eng        | 3                                              | 7                                                                               |
|                                  | Supervisor - Other      | 3                                              | 6                                                                               |

| Firm Name                                               | DOTD Job Classification              | Number of personnel committed to this contract | Total number of personnel available in this DOTD Job Classification (if needed) |
|---------------------------------------------------------|--------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------|
| G.E.C., Inc.                                            | Clerical                             | 1                                              | 1                                                                               |
|                                                         | Engineer                             | 2                                              | 4                                                                               |
|                                                         | Environmental Pro                    | 2                                              | 2                                                                               |
|                                                         | GIS Analyst                          | 1                                              | 1                                                                               |
|                                                         | Inspector - Certified                | 0                                              | 1                                                                               |
|                                                         | Principal                            | 1                                              | 2                                                                               |
|                                                         | Supervisor - Eng                     | 2                                              | 4                                                                               |
|                                                         | Supervisor - Other                   | 1                                              | 1                                                                               |
| Gulf South Research Corporation                         | Supervisor - Other                   | 2                                              | 8                                                                               |
|                                                         | Other (Principal - Archaeologist)    | 1                                              | 3                                                                               |
|                                                         | Archaeologist                        | 1                                              | 8                                                                               |
|                                                         | Archaeologist - Tech                 | 2                                              | 4                                                                               |
|                                                         | Historian                            | 1                                              | 1                                                                               |
|                                                         | Other (NEPA)                         | 1                                              | 3                                                                               |
|                                                         | Biologist/Wetlands                   | 2                                              | 8                                                                               |
|                                                         | GIS Analyst                          | 1                                              | 2                                                                               |
|                                                         | Clerical                             | 1                                              | 2                                                                               |
| Innovative Contracting and Engineering Professional LLC | Administrative                       | 1                                              | 2                                                                               |
|                                                         | Principal                            | 3                                              | 4                                                                               |
|                                                         | Technician                           | 4                                              | 17                                                                              |
| Desire Line LLC                                         | Other (Certified Floodplain Manager) | 2                                              | 4                                                                               |
|                                                         | Other (Principal Planner)            | 1                                              | 1                                                                               |
|                                                         | Planner                              | 1                                              | 7                                                                               |
|                                                         | Administrative                       | 0                                              | 2                                                                               |
|                                                         | Graphics                             | 0                                              | 3                                                                               |
|                                                         | GIS Analyst                          | 0                                              | 3                                                                               |

| Firm Name                 | DOTD Job Classification       | Number of personnel committed to this contract | Total number of personnel available in this DOTD Job Classification (if needed) |
|---------------------------|-------------------------------|------------------------------------------------|---------------------------------------------------------------------------------|
| The Lakvold Group LLC     | Other (Real Estate Appraiser) | 1                                              | 2                                                                               |
| Forte and Tablada, Inc.   | Principal                     | 1                                              | 2                                                                               |
|                           | Administrative                | 0                                              | 2                                                                               |
|                           | Surveyor                      | 1                                              | 5                                                                               |
|                           | Supervisor - Eng              | 1                                              | 4                                                                               |
|                           | Senior Technician             | 1                                              | 7                                                                               |
|                           | CADD Technician               | 1                                              | 3                                                                               |
|                           | Technician                    | 1                                              | 2                                                                               |
|                           | Party Chief                   | 1                                              | 6                                                                               |
|                           | Instrument Man                | 1                                              | 4                                                                               |
|                           | Rodman                        | 0                                              | 3                                                                               |
| GIS Engineering, LLC      | Supervisor - Eng              | 1                                              | 4                                                                               |
|                           | Supervisor - Other            | 1                                              | 10                                                                              |
|                           | Engineer                      | 1                                              | 14                                                                              |
|                           | Surveyor                      | 1                                              | 5                                                                               |
|                           | Environmental Pro             | 1                                              | 3                                                                               |
|                           | Engineer Intern               | 1                                              | 12                                                                              |
|                           | Geologist                     | 0                                              | 1                                                                               |
|                           | Party Chief                   | 0                                              | 8                                                                               |
|                           | Instrument Man                | 0                                              | 8                                                                               |
|                           | Rodman                        | 0                                              | 12                                                                              |
|                           | CADD Technician               | 0                                              | 5                                                                               |
|                           | CADD Drafter                  | 1                                              | 4                                                                               |
|                           | Clerical                      | 1                                              | 7                                                                               |
|                           | Principal                     | 1                                              | 3                                                                               |
| Eustis Engineering L.L.C. | Supervisor - Eng              | 2                                              | 9                                                                               |
|                           | Engineer                      | 2                                              | 5                                                                               |

| Firm Name                 | DOTD Job Classification | Number of personnel committed to this contract | Total number of personnel available in this DOTD Job Classification (if needed) |
|---------------------------|-------------------------|------------------------------------------------|---------------------------------------------------------------------------------|
| Eustis Engineering L.L.C. | Engineer Intern         | 1                                              | 6                                                                               |
|                           | Engineering-Aide        | 2                                              | 5                                                                               |
|                           | Accountant              | 1                                              | 3                                                                               |
|                           | CADD Technician         | 1                                              | 1                                                                               |
|                           | Clerical                | 3                                              | 11                                                                              |
|                           | Driller                 | 1                                              | 8                                                                               |
|                           | Geologist               | 1                                              | 2                                                                               |
|                           | Inspector               | 6                                              | 13                                                                              |
|                           | Inspector - Certified   | 1                                              | 1                                                                               |
|                           | Supervisor - Other      | 2                                              | 7                                                                               |
|                           | Technician              | 6                                              | 9                                                                               |

*To East – Alt. 22 & 25/Paris Junction*

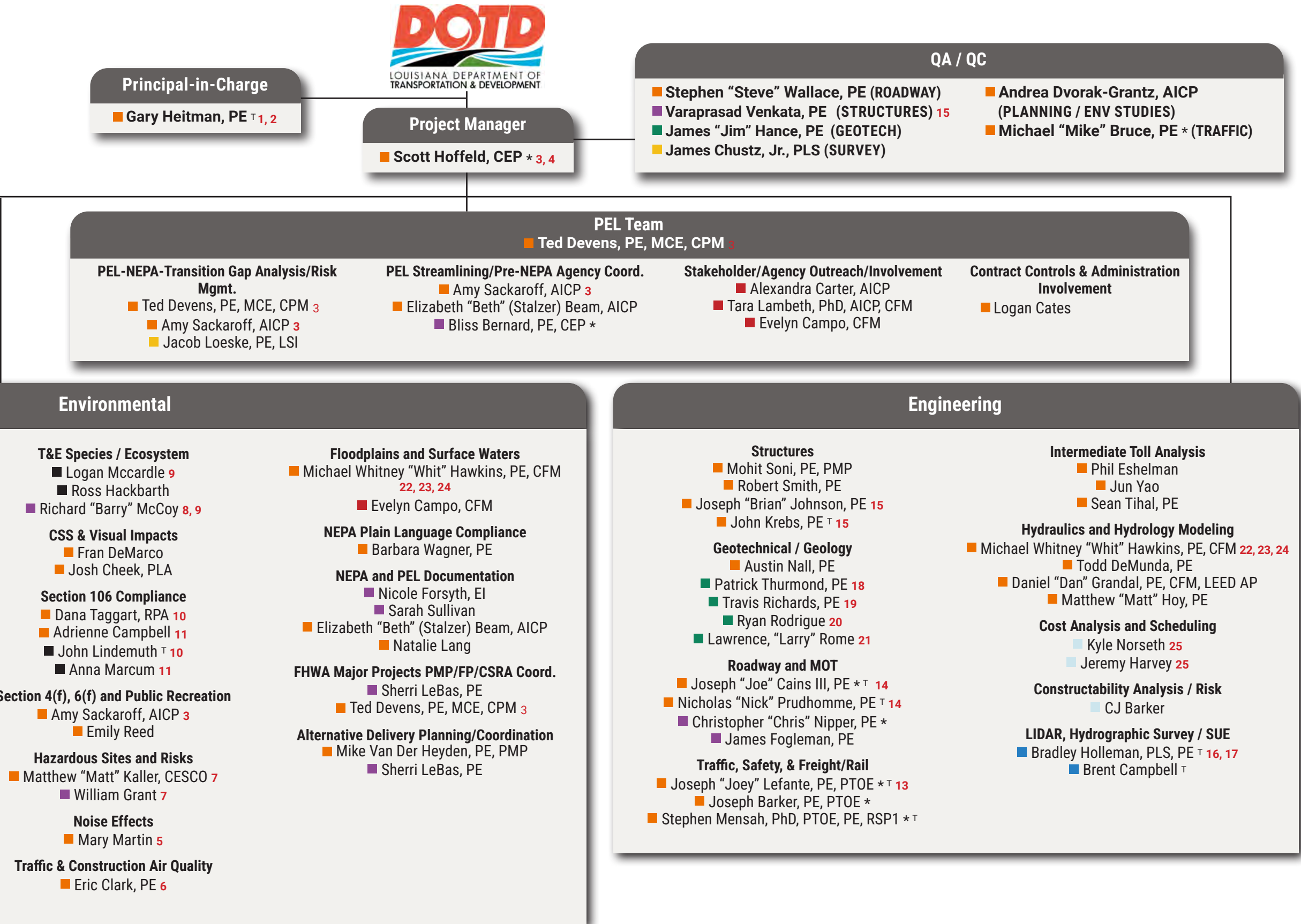
# **SECTIONS 14 - 16**

14. **Organizational Chart:**  
Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20. It is acceptable to use an 11x17 format for Section 14.

LEGEND

- Stantec Consulting Services Inc.
- G.E.C., Inc.
- Gulf South Research Corporation (DBE)
- Eustis Engineering LLC
- Innovative Contracting and Engineering Professional LLC
- Desire Line LLC (DBE)
- GIS Engineering, LLC
- Forte & Tablada, Inc.
- The Lakvold Group LLC (DBE)

- # Denotes MPR No.
- † ATSSA Work Zone Training
- \* Traffic Engineering Process and Report Training



15. **Minimum Personnel Requirements:**

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

| MPR No. | Personnel Being Used to Meet the MPR<br>(Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the Advertisement) | Firm Employed By                 | Type of License and Discipline Meeting MPR/Certification & Number (Ex: PE # - Civil)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | State of License | License/Certification Expiration Date |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------|
| 1.      | Gary Heitman, PE                                                                                                                                           | Stantec Consulting Services Inc. | PE No. 24670 - Civil, Environmental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LA               | 9/30/2026                             |
| 2.      | Gary Heitman, PE                                                                                                                                           | Stantec Consulting Services Inc. | PE No. 24670 - Civil, Environmental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LA               | 9/30/2026                             |
| 3.      | Scott Hoffeld, CEP<br><br>Amy Sackaroff, AICP<br><br>Ted Devens                                                                                            | Stantec Consulting Services Inc. | Environmental Impact Statement for which a Record Decision was issued<br><br>Reference: I-69 SIU 14 Shreveport, LA to Eldorado, AR<br>FEIS issued 08/26/11<br>ROD Issued 04/2012<br>LADOTD<br>Client Contact: Robert Lott<br>Ph: (225) 242-4504<br>Email: Robert.lott@la.gov<br><br>Reference: US 70 Havelock Bypass FEIS & ROD, Craven County, NC<br>FEIS issued 12/02/2015<br>ROD issued 12/21/2016<br>Client Contact: John Conforti<br>Ph: (919) 707-6015<br>Email: jgconforti@ncdot.gov<br><br>Reference: US 70 Havelock Bypass FEIS & ROD, Craven County, NC<br>FEIS issued 12/02/2015<br>ROD issued 12/21/2016<br>Client Contact: John Conforti<br>Ph: (919) 707-6015<br>Email: jgconforti@ncdot.gov | N/A              | N/A                                   |
| 4.      | Scott Hoffeld, CEP                                                                                                                                         | Stantec Consulting Services Inc. | Completed NHI Course No. 142005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | N/A              | N/A                                   |

| MPR No. | Personnel Being Used to Meet the MPR<br>(Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the Advertisement) | Firm Employed By                                                                    | Type of License and Discipline Meeting MPR/Certification & Number (Ex: PE # - Civil)                       | State of License  | License/Certification Expiration Date |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------|
| 5.      | Mary Martin                                                                                                                                                | Stantec Consulting Services Inc.                                                    | N/A                                                                                                        | N/A               | N/A                                   |
| 6.      | Eric Clark, PE                                                                                                                                             | Stantec Consulting Services Inc.                                                    | PE No. 15975 - Civil                                                                                       | ID                | N/A                                   |
| 7.      | Matt Kaller, CESCO                                                                                                                                         | Stantec Consulting Services Inc.                                                    | CESCO No.<br>16946030676240812 -<br>Certified Environmental and<br>Safety Compliance Officer               | National          | N/A                                   |
|         | William Grant                                                                                                                                              | G.E.C., Inc.                                                                        | N/A                                                                                                        | N/A               | N/A                                   |
| 8.      | Josh McEnany<br>Richard "Barry" McCoy<br>Howard Nass                                                                                                       | Stantec Consulting Services Inc.<br>G.E.C., Inc.<br>Gulf South Research Corporation | All have completed Wetlands<br>Delineation Training Course                                                 | N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A                     |
| 9.      | Josh McEnany<br>Logan Mccardle<br>Richard "Barry" McCoy                                                                                                    | Stantec Consulting Services Inc.<br>Gulf South Research Corporation<br>G.E.C., Inc. | N/A<br>N/A<br>N/A                                                                                          | N/A<br>N/A<br>N/A | N/A<br>N/A<br>N/A                     |
| 10.     | Dana Taggart, RPA                                                                                                                                          | Stantec Consulting Services Inc.                                                    | RPA No. 5773 - Archaeologists;<br>Completed course Section<br>106 of the National Historic<br>Preservation | National<br>N/A   | N/A<br>N/A                            |
|         | John Lindemuth                                                                                                                                             | Gulf South Research Corporation                                                     | Completed course Section<br>106 of the National Historic<br>Preservation                                   | N/A               | N/A                                   |
| 11.     | Adrienne Campbell                                                                                                                                          | Stantec Consulting Services Inc.                                                    | N/A                                                                                                        | N/A               | N/A                                   |
|         | Anna Marcum                                                                                                                                                | Gulf South Research Corporation                                                     | N/A                                                                                                        | N/A               | N/A                                   |
| 12.     | Angela "Angie" Lemoine-Lakvold                                                                                                                             | The Lakvold Group LLC                                                               | Certified Real Estate Appraiser<br>#G0575                                                                  | LA                | 12/31/2027                            |
| 13.     | Joseph "Joey" Lefante, PE, PTOE                                                                                                                            | Stantec Consulting Services Inc.                                                    | PE No. 37244 - Civil<br>PTOE No. 3560                                                                      | LA<br>LA          | 9/30/2026<br>11/20/2028               |

| MPR No. | Personnel Being Used to Meet the MPR<br>(Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the Advertisement) | Firm Employed By                                        | Type of License and Discipline Meeting MPR/Certification & Number (Ex: PE # - Civil) | State of License | License/Certification Expiration Date |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------|------------------|---------------------------------------|
| 14.     | Joseph "Joe" Cains III, PE<br>Nicholas "Nick" Prudhomme, PE                                                                                                | Stantec Consulting Services Inc.                        | PE No. 33670 - Civil<br>PE No. 35996 - Civil                                         | LA<br>LA         | 03/31/2028<br>03/31/2027              |
| 15.     | Brian Johnson, PE<br>John Krebs, PE<br>Varaprasad Venkata                                                                                                  | Stantec Consulting Services Inc.<br>G.E.C., Inc.        | PE No. 31273 - Civil<br>PE No. 37259 - Civil<br>PE No. 40594 - Structural            | LA<br>LA<br>LA   | 9/30/2026<br>9/30/2026<br>9/30/2026   |
| 16.     | Bradley Holleman, PLS, PE                                                                                                                                  | Forte and Tablada, Inc.                                 | PLS No. 5082 - Survey                                                                | LA               | 9/30/2026                             |
| 17.     | Bradley Holleman, PLS, PE                                                                                                                                  | Forte and Tablada, Inc.                                 | PE No. 47165 - Civil                                                                 | LA               | 3/31/2027                             |
| 18.     | Patrick Thurmond, PE                                                                                                                                       | Eustis Engineering L.L.C.                               | PE No. 44237 - Civil                                                                 | LA               | 9/30/2026                             |
| 19.     | Travis Richards, PE                                                                                                                                        | Eustis Engineering L.L.C.                               | PE No. 30992 - Civil                                                                 | LA               | 3/31/2027                             |
| 20.     | Ryan Rodrigue                                                                                                                                              | Eustis Engineering L.L.C.                               | N/A                                                                                  | N/A              | N/A                                   |
| 21.     | Lawrence "Larry" Rome                                                                                                                                      | Eustis Engineering L.L.C.                               | Water Well Drillers No. 267                                                          | LA               | 6/30/2026                             |
| 22.     | Michael Whitney "Whit" Hawkins, PE, CFM                                                                                                                    | Stantec Consulting Services Inc.                        | PE No. 46867 - Civil<br>CFM No. US-07-02689                                          | LA<br>National   | 09/30/2026<br>N/A                     |
| 23.     | Michael Whitney "Whit" Hawkins, PE, CFM                                                                                                                    | Stantec Consulting Services Inc.                        | PE No. 46867 - Civil<br>CFM No. US-07-02689                                          | LA<br>National   | 09/30/2026<br>N/A                     |
| 24.     | Michael Whitney "Whit" Hawkins, PE, CFM                                                                                                                    | Stantec Consulting Services Inc.                        | PE No. 46867 - Civil<br>CFM No. US-07-02689                                          | LA<br>National   | 09/30/2026<br>N/A                     |
| 25.     | Jeremy Harvey<br>Kyle Norseth                                                                                                                              | Innovative Contracting and Engineering Professional LLC | N/A<br>N/A                                                                           | N/A<br>N/A       | N/A<br>N/A                            |

16. **Staff Experience:**

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                     |                                        |                                                                                     |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Stantec Consulting Services Inc.                    |                                        |  |
| NAME                                                     | Gary Heitman, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER     | 26                                     |                                                                                     |
| TITLE                                                    | Senior Principal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S) | 12                                     |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | BS   1986   Civil Engineering                       |                                        |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PE No. 24670   LA   9/30/2026                       |                                        |                                                                                     |
| YEAR REGISTERED                                          | 1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DISCIPLINE                                          | Civil Engineer, Environmental Engineer |                                                                                     |
| Contract role(s) / brief description of responsibilities | <p>Gary brings more than 38 years of expertise to his role as Transportation Business Operations Leader, overseeing business metrics and projects across Louisiana, Mississippi, Alabama, Tennessee and Arkansas. Throughout his career, he has guided the planning and design of a wide range of transportation infrastructure—from interstates and interchanges to arterials, local roads, and bridge replacements—on both existing alignments and new corridors. His hands-on experience with Design-Build and Construction Administration gives him a unique perspective, enabling him to integrate lessons learned from the construction site into the design process. This approach ensures more practical alternatives and stronger construction plans. In addition to technical leadership, Gary plays a key role in client engagement and business development, fostering strong relationships with public agencies and private partners to deliver innovative, cost-effective solutions. His ability to align client needs with strategic objectives has contributed to growth across the region.. Gary will serve as <b>PRINCIPAL IN CHARGE</b> for this contract. <b>Gary meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 1, 2</b></p> |                                                     |                                        |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                                        |                                                                                     |
| 07/15 - Ongoing                                          | <b>I-49 LAFAYETTE CONNECTOR   LADOTD Contract No. H.004273.5   Lafayette, LA</b><br><b>Assistant Program Manager and Geometrics Task Manager.</b> Gary is assisting with the Program Management task, including overseeing the implementation of an extensive QC/QA plan. He is managing the geometric design of the five-and-a-half-mile urban corridor, which includes segments of at-grade and elevated mainline, parallel frontage roads, urban interchanges, and slip ramps, as well as connections/modifications to the existing roadway network. Coordination between Gary's geometric team and the NEPA team has been extensive. In addition, the Geometric team's task includes conceptual constructability and maintenance of traffic plans, conceptual drainage design, and estimates of probable construction costs throughout the project.                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                     |                                        |                                                                                     |
| 08/19 - 07/24                                            | <b>I-10/LOYOLA INTERCHANGE DESIGN-BUILD   LADOTD   New Orleans, LA</b><br><b>Roadway Design QC.</b> Gary provided roadway design quality control for this multimillion-dollar project that improved access and traffic operations to and around the new Northfield Terminal at the New Orleans Airport. This project consists of an innovative Diverging Diamond Interchange, in addition to flyover ramps leading to/from the Airport on the east side of the interchange.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                     |                                        |                                                                                     |
| 10/12 - 09/17                                            | <b>LADOTD RETAINER CONTRACT FOR ROADWAY PROJECTS   LADOTD H.4400002748   Statewide, LA</b><br><b>Contract Manager.</b> Gary provided overall management and Quality Assurance for this Roadway Engineering Retainer that completed 3 significant projects - Essen Lane Widening, Government Street and West Prien Lake Road Relocation. He was involved in all project meetings, supervised the design, plan development and the preparation of exhibits, and coordinated directly with LADOTD and City personnel to ensure the project schedules, quality goals, and other LADOTD requirements were met. Gary supervised all phases of work including: completion of the environmental phase, development of final roadway, signal, and bridge plans, and continued coordination with all parties to ensure timely delivery of the final construction documents.                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                     |                                        |                                                                                     |
| 04/15 - 06/18                                            | <b>US 90 AT LA 318 INTERCHANGE DESIGN-BUILD   LADOTD   St. Mary Parish, LA</b><br><b>Roadway Independent QC.</b> This project constructed a diamond interchange with frontage roads to replace the current at-grade signalized intersection of US90 and LA 318, as well as frontage roads and ramps through the project limits. Gary assisted with alternatives to the concept presented in the RFP. He also performed independent QC and assurance reviews on the roadway design packages.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                     |                                        |                                                                                     |



|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>11/10 - Ongoing</b> | <b>NELSON ROAD EXTENSION AND BRIDGE   LADOTD   Lake Charles, LA</b><br><b>Roadway Division Manager.</b> Gary oversaw the design effort for this new, high-level bridge and approaches over Contraband Bayou, a navigable waterway in the Lake Charles area. This will provide a crucial link to downtown and the Port of Lake Charles by extending Nelson Road over Contraband Bayou to West Sallier Street.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>04/11 - 06/15</b>   | <b>I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT   LADOTD   Lake Charles, LA</b><br><b>Roadway Division Manager.</b> Gary oversaw the roadway design efforts on this fast-paced project to improve access to the casino site located on I-210 between Cove Lane and Nelson Road Interchanges. Stantec led the initial study regarding appropriate access needs to and from the casino along I-210 as prior access to the site was not sufficient for the expected increase in traffic. Deliverables included a final report meeting all LADOTD requirements for a traffic impact study based on the proposed development and Stage 0 requirements for long-term improvements at the I-210/Cove Lane and I-210/Nelson Road interchanges, in each case reflecting all agency comments with no outstanding comments or further review required. Upon completing the required studies, the Stantec team delivered construction plans for the improvements and assisted the LADOTD with construction support services.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>01/00 - 06/06</b>   | <b>I-10 Frontage Roads (Picardy Avenue Interchange)   LADOTD   Baton Rouge, LA</b><br><b>Project Manager.</b> Gary's responsibilities included oversight and preparation of design details and plans required for the <b>construction of frontage roads parallel to I-10</b> between Bluebonnet Boulevard and Siegen Lane. In addition to the frontage roads, the project scope included design details for six ramps connecting interstate to frontage roads and the extension of a local road to tie into the frontage roads. As part of plan development, Gary and his team also provided extensive maintenance of traffic plans for these noted improvements as well as the widening of the interstate from a four-lane to a six-lane facility. He participated in public meetings and coordinated with multiple agencies during the planning and design phases. Gary assisted the LADOTD by providing construction support services consisting of shop drawing review, on-call support to the LADOTD project engineer, verification of design and as-built quantities, and resolution of questions and issues arising during the construction process.                                                                                                                                                                                                                                                                                                           |
| <b>11/09 - 08/12</b>   | <b>I-12 WIDENING DESIGN-BUILD   LADOTD Contract No. 454-02-0071   Livingston Parish, LA</b><br><b>Project Design Manager.</b> Gary was responsible for coordination of design and plan development efforts to widen this four-mile stretch of Interstate from the Amite River to the Juban Road interchange, as part of the selected Design-Build team. Project design elements included widening, removal, overlay, and replacement of various pavement sections, ramp deceleration lane improvements, interchange lighting, permanent signing, permanent concrete median barrier, median subsurface drainage, and widening of the Gray's Creek Bridges and the 4-H Club Road and Range Avenue overpasses. The project required erosion control plans addressing storm water runoff during construction, as well as extensive maintenance of traffic and traffic control plans for this heavily traveled stretch of interstate and connecting ramps. In addition to the design and plans developed for the construction elements, Gary was actively involved in construction progress meetings and assisted the contractor during construction, after designs and plans were approved, working with the team to address construction questions and issues in the field. At the completion of construction, as-built plans and electronic files were created for the project, again with Gary serving as the Project Design Manager for all plan and design elements. |
| <b>01/18 - Ongoing</b> | <b>DIJON DRIVE PHASE I &amp; PHASE II   City of Baton Rouge   Baton Rouge, LA</b><br><b>Project Manager.</b> Stantec designed this roadway on new alignment for the City of Baton Rouge as an access roadway to the new Our Lady of the Lake Children's Hospital. This fast-paced project includes a four-lane divided roadway on new alignment, sanitary sewer force main, subsurface drainage, signalization, and off-site intersection improvements. Gary led the team in the environmental study, line and grade, and the current design/plan development phases of the project. He also led construction support services for Phase I provided by Stantec.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>08/05 - 12/13</b>   | <b>STARING LANE EXTENSION AND BRIDGE   City of Baton Rouge   Baton Rouge, LA</b><br><b>Roadway QA/QC.</b> This Green Light Plan project required a design study and plan development for a new, four-lane urban boulevard with a 30-foot median with subsurface drainage, sidewalks, and traffic signals. Gary's responsibilities included technical assistance in the study and design phases, QA/QC of roadway plans, and participation in regular project meetings as well as public meetings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>03/07 - 12/12</b>   | <b>RIVER ROAD (LA 327) RELOCATION FOR PINNACLE CASINO DEVELOPMENT   LADOTD   Baton Rouge, LA</b><br><b>QA/QC Lead and Design Oversight.</b> Gary provided oversight and guidance for design of the relocation of Louisiana 327 (River Road) for about a one-mile segment to create a more contiguous site for development. During planning, design, and construction phases of the roadway work, he provided extensive coordination with the LADOTD Headquarters and District 61 staff to ensure timely plan approvals and permitting. He provided QC reviews for the roadway plans and documents prepared by staff under his direct supervision and answered questions that arose during construction. In addition, plans for off-site improvements identified in the Traffic Impact Study, including several intersections were developed. Gary's roles for the offsite work included direct oversight of the roadway design and plan development as well as QA/QC support and assistance with the LADOTD permitting process. Gary also developed a wayfinding signage plan directing traffic from I-10 approximately 13 miles along various state highways to the site and assisted the developer with obtaining LADOTD input and approvals for this additional signage.                                                                                                                                                                                           |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                           |                                                                                                    |                                                                                     |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stantec Consulting Services Inc.                                          |                                                                                                    |   |
| NAME                                                     | Scott Hoffeld, CEP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                               | 6                                                                                                  |                                                                                     |
| TITLE                                                    | Senior Project Manager, Environmental                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                        | 26                                                                                                 |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MS   1994   Resource Management and Administration; BA   1989   Economics |                                                                                                    |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CEP No. 02040408   LA   N/A                                               |                                                                                                    |                                                                                     |
| YEAR REGISTERED                                          | 2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DISCIPLINE                                                                | Certified Environmental Professional of the Academy of Board-Certified Environmental Professionals |                                                                                     |
| Contract role(s) / brief description of responsibilities | <p>Scott is a Senior Environmental/Transportation Planner and Economist with 32 years of NEPA and permitting experience for LADOTD, spanning from EAs, CEs and re-evaluations to complete multi-phased and 3rd party EISs and supplemental EISs. His project experience has included IJR; hazardous materials; community impact, outreach/involvement, impact and mitigation analyses; and the use of benefit-cost analysis in public-project alternative investment and decision-making. He has completed the NHI Transportation NEPA Decision-Making course among many others and is an ABCEP CEP and Vice Chair of the ABCEP CRB. <b>Scott will serve as PROJECT MANAGER for this contract and meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 3, 4</b></p>                                                                                                                                                                                                                                                 |                                                                           |                                                                                                    |  |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                           |                                                                                                    |                                                                                     |
| 06/23 - 11/23                                            | <p><b>US 60 PLANNING AND ENVIRONMENTAL LINKAGES (PEL) STUDY OF THE NEW OHIO RIVER BRIDGE BETWEEN BARLOW, KENTUCKY AND THE MOUND CITY, ILLINOIS   Kentucky DOT</b><br/> <b>Lead Economist and Economic Development Specialist.</b> Lead economic development specialist for a high-level assessment of the likely effects to retail, nonretail and service employment and population among the project's travel demand model's TAZs of the region that are projected to result from the construction of a new, more-direct Ohio River Bridge crossing. Development potential was assessed using a variety of factors including distance to interstate, 4-lane highways, labor markets, port and rail facilities, and the locations of retail and other existing businesses, among others A three-step assessment was completed that began with allocation of a excess growth expected as observed for a similar, new Kentucky river bridge on US68. Subsequent refinement distribution was based on relative development-attraction scores of the model.</p> |                                                                           |                                                                                                    |                                                                                     |
| 04/11 - 06/15                                            | <p><b>I-210 AT COVE LANE INTERCHANGE IMPROVEMENTS AND EA   LADOTD   Lake Charles, LA</b><br/> <b>NEPA Project Manager.</b> Scott worked with Stantec, formerly ABMB during this project. He served as NEPA Project Manager for this aggressive seven-month NTP to FONSI, high-profile interstate interchange improvement project in Lake Charles. Project need is related to a new casino special traffic generator. Expedited work included completion of outreach, field work, and analysis of six build alternatives within six weeks of the NTP. Special NEPA documentation and review protocols were proposed and approved by LADOTD and FHWA, enabling environmental streamlining and reduction of schedule by over 55 percent.</p>                                                                                                                                                                                                                                                                                                                   |                                                                           |                                                                                                    |                                                                                     |
| 01/07 - 06/08                                            | <p><b>BATON ROUGE LOOP PROJECT   Baton Rouge, LA</b><br/> <b>Project Transportation and Environmental Planner.</b> Scott worked with Stantec, formerly ABMB during this project, responsible for agency and stakeholder coordination, environmental inventory, corridor development and screening, and evaluation of corridors. With its limited east-west arterials and explosive growth since Hurricane Katrina, City of Baton Rouge residents and officials relegated themselves to the need for a new loop roadway. Traffic and revenue forecasts were completed to determine the potential feasibility and priority of various sections of the Loop. Best corridors were retained for study in a two-tier NEPA documentation process.</p>                                                                                                                                                                                                                                                                                                              |                                                                           |                                                                                                    |                                                                                     |
| 01/03 - 07/08                                            | <p><b>I-69 ENVIRONMENTAL IMPACT STATEMENT, SIU NO.14   LADOTD/Arkansas Highway and Transportation Department   Shreveport, LA and El Dorado, AR</b><br/> <b>Deputy Project Manager.</b> Scott served as Deputy Project Manager for section of independent utility number 14, spanning between Shreveport, LA and El Dorado, AR through a rural timber and poultry farming area. The study area is studded with historic properties and oil wells among parcels of the Kisatchie National Forest properties, the Bodcau Wildlife Management Area, and the Bodcau Reservoir Recreational Area. Bayou Dorcheat, a Louisiana scenic stream, must be crossed with a new structure that must be designed and ameliorated to avoid and minimize adverse effects to Bayou Dorcheat's scenic uses.</p>                                                                                                                                                                                                                                                               |                                                                           |                                                                                                    |                                                                                     |
| 01/08 - 06/08                                            | <p><b>IER NO. 10 (CHALMETTE LOOP LEVEE) NEPA COMPLIANCE   USACE New Orleans District   St. Bernard Parish, LA</b><br/> <b>Project Manager.</b> Scott served as Project manager for emergency NEPA compliance of 22-mi portion of the Lake Pontchartrain and Vicinity Hurricane Protection Project.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                           |                                                                                                    |                                                                                     |

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| <b>07/15 - Ongoing</b> | <b>I-49 LAFAYETTE CONNECTOR   LADOTD   Lafayette, LA</b><br><b>Assistant Program Manager and Prime Env. Program Lead.</b> Scott is assisting with the program management task, including overseeing staff and agency coordination, schedule maintenance/adherence, contracting, invoicing, and other. As the program prime's Environmental SME, Scott coordinates closely with the LCP task and firm leads on Environmental SEIS tasks/deliverables content, quality and schedule. Scott's work also includes the close coordination of LCP strategy to comply with evolving NEPA expectations based on FHWA and FAA concerns; as well as strategizing to expedite delivery of the project through various NEPA compliance and construction phasing options. Work will ultimately involve LCP coordination of a LADOTD Joint Use Agreement with the Lafayette Consolidated Government for under-structure use of viaduct's rights of way.                                                    |
| <b>04/10 - 10/14</b>   | <b>EA FOR CHEF MENTEUR BRIDGE AND APPROACHES REPLACEMENT - WITH FONSI   LADOTD   Orleans Parish, LA</b><br><b>Project Manager.</b> Scott was the project manager for a high-priority bridge replacement EA and Line and Grade Study, responsible for coordination and technical assessment of key issues. Both movable and fixed-span designs are under consideration along three alignments in an area of notable environmental and design challenges. Built in 1930, the existing US 90 swing-span bridge over Chef Menteur Pass has two 10-foot lanes, no shoulders and a bridge sufficiency rating of 37. Environmental constraints include the abutting Venetian Isles subdivision, Fort Macomb structure and state parkland, terrestrial and submerged archaeological sites, and the Bayou Sauvage National Wildlife Refuge. Intensive public and agency outreach and involvement was initiated along with computerized renderings of postconstruction views to be used in the effort. |
| <b>01/08 - 06/08</b>   | <b>LOUISIANA COASTAL RESTORATION AND PROTECTION PROGRAM (LACPR), PROGRAMMATIC CUMULATIVE EFFECTS ANALYSIS   USACE New Orleans District   South Louisiana</b><br><b>Consultant Project Manager.</b> Scott was the Consultant Project Manager for the development of a cumulative effects analysis of various structural, restoration, and other alternative components under consideration for the LACPR coastal protection program. Using GIS techniques, analysis focused on wetlands, water quality, diversion sediment and freshwater availability, levee borrow availability, socioeconomic effects, cultural resources, and recreation.                                                                                                                                                                                                                                                                                                                                                 |
| <b>07/05 - 12/05</b>   | <b>GRAMERCY-WALLACE BRIDGE NEEDS AND ALTERNATIVES ANALYSIS, AND WETLAND PERMITTING ASSISTANCE   LADOTD   St. John the Baptist and James Parishes, LA</b><br><b>Project Transportation and Environmental Planner.</b> Scott was the Project Transportation and Environmental Planner responsible for developing needs statement, alternate constraints map, and alternate alignments, as well as the preparation of the supplemental information report and graphics for extension/completion of the West Bank Approach. Eight alternate alignments were developed and compared for trade-off analysis by the USACE.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>06/06 - 12/06</b>   | <b>MISSISSIPPI RIVER GULF OUTLET DEEP DRAFT DE-AUTHORIZATION STUDY - PUBLIC INVOLVEMENT/OUTREACH   USACE New Orleans District   St. Bernard Parish, LA</b><br><b>Local Coordinator.</b> Scott was the Local Coordinator for logistical arrangements, communications, and meeting participation associated with the Mississippi River Gulf Outlet De-authorization Study.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>01/02 - 03/02</b>   | <b>CATEGORICAL EXCLUSION FOR PATRICIA STREET RECONSTRUCTION   LADOTD   St. Bernard Parish, LA</b><br><b>Deputy Project Manager and Transportation and Environmental Planner.</b> Scott was the Deputy Project Manager and Transportation and Environmental Planner for CE of the Patricia Street Reconstruction Project, approximately 0.46 miles of two-lane residential roadway in Chalmette, Louisiana.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>01/01 - 06/01</b>   | <b>ST. BERNARD CBD LAND USE STUDY FOR ST. BERNARD CBD   N.O. Regional Planning Commission   St. Bernard Parish, LA</b><br><b>Deputy Project Manager and Land Use Planner.</b> Scott was the Deputy Project Manager and Land Use Planner for subconsulting contract associated with development of a future land use scenario for St. Bernard Parish.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>06/96 - 11/97</b>   | <b>WILMINGTON BYPASS ENVIRONMENTAL IMPACT STATEMENT, CORRIDOR SECTION C   North Carolina DOT   Wilmington, NC</b><br><b>Project Coordinator and Environmental Planner.</b> Project Coordinator and Environmental Planner for preparation of Environmental Impact Statement and Corridor Location Report for the Wilmington Bypass, a 10-mile controlled-access roadway from I-40 to US-421 northeast of Wilmington. The project area includes large expanses of wetlands and requires the crossing of a major navigable waterway.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                                              |                                                                                    |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Stantec Consulting Services Inc.                   |                                              |  |
| NAME                                                     | Stephen "Steve" Wallace, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 35                                           |                                                                                    |
| TITLE                                                    | Senior Principal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 9                                            |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | BS   1982   Civil Engineering                      |                                              |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PE No. 22750   LA   09/30/2026                     |                                              |                                                                                    |
| YEAR REGISTERED                                          | 1987                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DISCIPLINE                                         | Civil Engineering, Environmental Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | Steve has managed and participated in numerous traffic, highway, and bridge projects over the past 33 years with Stantec. Steve's comprehensive knowledge of these disciplines has enabled him to competently perform engineering services from conceptual/traffic studies to plan preparation (preliminary through final stages), as well as construction supervision. He has 42 years of experience in the design and management of transportation-related projects. His project experience ranges in complexity from major rural and urban roadway projects to minor urban projects. Steve will serve as <b>QA/QC - ROADWAY</b> for this contract.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                    |                                              |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                    |                                              |                                                                                    |
| 01/07 - 12/15                                            | <b>BATON ROUGE LOOP IMPLEMENTATION PLAN AND TIER 1 EIS   LADOTD   Baton Rouge, LA</b><br><b>Project Manager.</b> Steve managed and was responsible for the QA of Stantec's responsibilities for this 90 to 105-mile toll loop through 5 parishes. It involved extensive coordination with affected agencies including EBRP, Ascension Parish, Iberville Parish, LADOTD, FHWA, Coast Guard, and Corps of Engineers, as well as public outreach and public meetings. Stantec's scope of work included determining potential corridor alternatives, preliminary regional traffic modeling and studies, traffic and revenue studies and toll analyses, preliminary cost estimates, participation in environmental inventories, among other tasks. This effort led to securing a Final Environmental Impact Statement in November of 2015.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                    |                                              |                                                                                    |
| 04/11 - 06/15                                            | <b>I-210 COVE LANE INTERCHANGE   LADOTD   Lake Charles, LA</b><br><b>Project Manager.</b> Steve was responsible for QA and direction of all aspects of this new tight urban diamond interchange that included: line and grade design, plan development, right-of-way maps, and utility relocation. The project was designed and let for construction using a fast-track schedule in just over 2 years from beginning the IJR to construction letting. Working with LADOTD and FHWA, Steve orchestrated parallel QC reviews and approvals for the IJR, EA, and design/plan development. The interchange serves as primary access for a new casino development adjacent to I-210 and greatly improves historic traffic congestion in the area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |                                              |                                                                                    |
| 01/93 - 04/04                                            | <b>ST. FRANCISVILLE TO NEW ROADS (AUDUBON BRIDGE) ENVIRONMENTAL ASSESSMENT (EA) AND EXPANDED LINE AND GRADE   LADOTD   Pointe Coupee and West Feliciana Parishes, LA</b><br><b>Phase I Project Manager.</b> Steve led Stantec's efforts during the Phase I Location and Feasibility study that fed into the Phase II Environmental Assessment (EA) for construction of a new bridge and approaches over the Mississippi River and 12-miles of new roadway connections to existing state routes. Stantec responsibilities included assisting in locating alternative corridors and alignments, preliminary traffic studies and preliminary cost estimates. Stantec also participated in investigation of several potential Mississippi River crossing locations, including coordination with agencies and stakeholders for the proposed structure over the Mississippi River, and public meetings which ultimately led to completion and approval of the Phase II EA. During the Phase II EA, Steve provided overall project oversight of Stantec's responsibilities which including identifying an alternative alignment and Mississippi River crossing. Stantec provided roadway, traffic and bridge engineering and input to environmental resources, and helped to lead public meetings and hearings. Stantec also coordinated with the prime consultant who developed 60% roadway plans as a basis for survey services and developing ROW mapping and bridge studies for the high-level approaches to the river crossing, railroad crossings, and major stream crossings. |                                                    |                                              |                                                                                    |
| 07/15 - Ongoing                                          | <b>I-49 LAFAYETTE CONNECTOR   LADOTD   Lafayette, LA</b><br><b>Program Manager.</b> Steve is directing all services for this complex program and serve as the program manager, ultimately responsible for QA. As of June 2024, the critical ongoing activities include finalizing SEIS activities and collaborating with LADOTD on the construction phasing and delivery methods of the project. One of Steve's teams is completing a supplemental EIS for these new alternatives under consideration. Also, preliminary design for the I-49 / Kaliste-Saloom interchange at the south end of the project has begun. Ultimately, the program includes management of the budget and its 13 sub-consultants; coordination with LADOTD HQ & District 03, City-Parish, MPO, USACE, FAA, LFT Airport, SHPO and DEQ, and community/stakeholders; ROW Acquisitions and Utility Relocations; and maintenance of traffic to minimize congestion during construction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                    |                                              |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Stantec Consulting Services Inc.                   |          |  |
| NAME                                                     | Andrea Dvorak-Grantz, AICP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 23       |                                                                                    |
| TITLE                                                    | Senior Principal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 4        |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MS   1996   Biology // BS   1992   Biology         |          |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Certified Planner #02224   National   N/A          |          |                                                                                    |
| YEAR REGISTERED                                          | 2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DISCIPLINE                                         | Planning |                                                                                    |
| Contract role(s) / brief description of responsibilities | Andrea has 28 years of experience including managing complex environmental evaluations for major transportation improvements, transportation planning, environmental documentation, impact assessments, threatened and endangered species surveys, wetland and stream delineations, baseline risk assessments, and permitting. She has managed many NEPA projects which included planning, budgeting, coordinating, managing field investigations, document preparation, client/regulatory interfacing, and public involvement. Her experience includes project management, transportation planning, natural resource studies, NEPA environmental documentation, public involvement, and agency coordination. Andrea has prepared federal and state Environmental Impact Statements (EIS), Environmental Assessments (EA), and Categorical Exclusions (CE). Andrea will serve as <b>QA/QC - PLANNING/ENVIRONMENTAL STUDIES</b> for this contract.                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |          |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |          |                                                                                    |
| 07/18 - Ongoing                                          | <b>I-526 LOWCOUNTRY CORRIDOR WEST   SCDOT   Charleston, SC</b><br><b>Senior Transportation Planner/NEPA Task Coordinator.</b> Assisted with the development of a Community Impact Assessment, complex Environmental Justice (EJ) analysis, EJ outreach plan, and EJ mitigation plan. Assisted with development of related portions of a Draft Environmental Impact Statement (EIS) as well as development of context sensitive design solutions and public outreach efforts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                    |          |                                                                                    |
| 04/24 - Ongoing                                          | <b>I-26 WIDENING &amp; NEPA DOCUMENTATION MILE MARKERS 125-145   Lexington, Calhoun, &amp; Orangeburg Counties, SC</b><br><b>NEPA Task Lead.</b> Overseeing planning efforts, technical analyses, preparation of the environmental document, document coordination with agencies and public outreach.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |          |                                                                                    |
| 05/22 - Ongoing                                          | <b>I-20 BRIDGE REPLACEMENTS &amp; NEPA DOCUMENTATION   Aiken County, SC</b><br><b>Senior Transportation Planner.</b> Assisted in the review of the NEPA environmental documents and Section 4(f) coordination for five bridge replacements along I-20: I-20 eastbound over S-980; I-20 westbound over S-980; I-20 westbound over the South Edisto River; I-20 westbound over SC 19; and I-20 westbound over an abandoned railroad (North Augusta Greenway).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |          |                                                                                    |
| 08/18 - 09/24                                            | <b>I-26/US 21 INTERCHANGE &amp; BRIDGE IMPROVEMENTS (EXIT 119)   Columbia, SC</b><br><b>Senior Transportation Planner.</b> Prepared a CE for an interchange improvement project. Provided technical direction on development of the CE and worked closely with the engineering design team to investigate potential alternatives, develop screening criteria, and evaluate measures to avoid and minimize impacts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                    |          |                                                                                    |
| 09/19 - Ongoing                                          | <b>NC 150 WIDENING   Catawba and Iredell Counties, NC</b><br><b>Project Manager/Senior Transportation Planner.</b> Served as the Project Manager for this 15-mile corridor study along NC 150 and I-77 north of Charlotte. Led the preparation of the environmental document and oversaw all aspects of the project including preliminary design, traffic capacity analysis, community and natural resource studies, agency coordination and public involvement. The project included 5 bridge structures over Lake Norman.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |          |                                                                                    |
| 05/12 - 10/21                                            | <b>NC 150 IMPROVEMENTS (R-2307 AND I-5717)   NCDOT   Mooresville, NC</b><br><b>Project Manager.</b> Stantec performed traffic analysis and preliminary designs for improvements to the highly congested NC 150 corridor. The operational analysis included modeling the entire corridor in Synchro, as well as sections of the design in VISSIM and Transmodeler. Due to the geometric constraints and high volumes—both existing and projected—along this corridor, analysts and designers at Stantec worked together to develop a Reduced Conflict Intersection (RCI) corridor addressing the capacity needs of the area, while reducing the amount of right-of-way acquisition required and reducing impacts to the community. Each intersection required a unique evaluation to recommend the best design for that specific location. Once the preferred intersection treatments were identified, Stantec prepared a visualization of the entire corridor to clearly communicate the recommendations to the public and elected officials. Our team also developed air quality modeling, noise impact analysis, natural resource studies, a community impact assessment, and indirect and cumulative effects studies. We prepared an Environmental Assessment and FONSI (EA/FONSI) to document the anticipated environmental impacts. |                                                    |          |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Stantec Consulting Services Inc.                   |                                        |  |
| NAME                                                     | Michael "Mike" Bruce, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 40                                     |                                                                                    |
| TITLE                                                    | Senior Principal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 7                                      |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BS   1978   Civil Engineering                      |                                        |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PE No. 20397   LA   9/30/2026                      |                                        |                                                                                    |
| YEAR REGISTERED                                          | 1983                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DISCIPLINE                                         | Civil Engineer, Environmental Engineer |                                                                                    |
| Contract role(s) / brief description of responsibilities | Mike has 47 years of experience in the design and management of transportation related projects, including comprehensive expertise in innovative intersections, the preparation of construction PS&E packages for roadway and bridge projects, master plan projects, and feasibility studies for transportation networks. The complexity of his transportation experience ranges from minor urban street rehabilitation, to rural highways, urban interstate construction, including geometrics for many major interstate interchanges. Mike will serve as <b>QA/QC - TRAFFIC</b> for this contract.                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |                                        |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                                        |                                                                                    |
| 05/07 - Ongoing                                          | <b>BATON ROUGE LOOP IMPLEMENTATION PLAN AND TIER I EIS   LADOTD   Baton Rouge, LA</b><br><b>Principal-In-Charge.</b> Mike is currently overseeing Stantec's responsibilities for this ongoing effort. The project began with developing an Implementation Plan for the Capital Area Expressway Authority. This first phase was a one-year contract to determine possible corridors, impacts and a financial package for the construction of a loop through 5 parishes, including two crossings of the Mississippi River. Mike has been Principal-In-Charge for Stantec's engineering components which include: corridor selection, traffic benefits, design criteria, typical sections, cost estimates and potential right-of-way required. This project involves extensive coordination with affected agencies including the 5 parishes, LADOTD, FHWA, Coast Guard and Corps of Engineers, as well as public outreach and public meetings.                                          |                                                    |                                        |                                                                                    |
| 07/15 -Ongoing                                           | <b>I-49 LAFAYETTE CONNECTOR   LADOTD Contract No. H.004273.5   Lafayette, LA</b><br><b>Traffic Manager.</b> Mike is responsible for overseeing traffic tasks, coordinating with project management to provide traffic resources for the project. The project includes a comprehensive Vistro model of the Lafayette area, as well as additional analyses using TransCAD, VISSIM, and Sidra software packages. Project follows the Access Justification Request (AJR) guidelines established by LADOTD and FHWA, and includes a VISSIM model of the core area calibrated to LADOTD standards.                                                                                                                                                                                                                                                                                                                                                                                         |                                                    |                                        |                                                                                    |
| 04/15 - Ongoing                                          | <b>LA 30 (NICHOLSON DRIVE) ROADWAY IMPROVEMENTS (LSU TO SOUTH BOULEVARD)   LADOTD   Baton Rouge, LA</b><br><b>Principal-in-Charge.</b> Mike oversees the Stantec team, including roadway, structural and traffic engineers assigned to the project. The project is part of a City-State road transfer agreement, and as part of this process, Stantec began with a study to identify feasible improvements for the corridor. In addition to the improvements identified along LA30, the I-10 exit ramp terminus will be relocated to facilitate traffic movements and be compatible with development plans along the corridor. Bids for construction were received 3/9/22, and Stantec is providing LADOTD Construction Support services during the ongoing construction phase. This includes answering RFI's, reviewing shop drawings, and attending construction progress meetings as requested by LADOTD.                                                                         |                                                    |                                        |                                                                                    |
| 05/13 - 03/19                                            | <b>ESSEN LANE WIDENING   LADOTD   Baton Rouge, LA</b><br><b>Principal-in-Charge.</b> Mike oversaw traffic signal plans for four intersections along Essen Lane that were impacted by the widening. Traffic signal plans consist of providing all new traffic signal equipment along with fiber optic communications between the traffic signals. Multiple site visits were held to ensure feasibility of traffic signal equipment locations and avoid interference with utilities. Plans were developed according to the latest MUTCD, LADOTD and City of Baton Rouge Standards and Specifications. This project required coordination with Stantec's Roadway group, LADOTD, and the City of Baton Rouge.                                                                                                                                                                                                                                                                            |                                                    |                                        |                                                                                    |
| 08/09 - Ongoing                                          | <b>I-49 INNER CITY CONNECTOR STAGE 0-1, STUDY AND IJR   Northwest Louisiana Council of Governments   Shreveport, LA</b><br><b>Principal-in-Charge.</b> Mike serves as key advisor on this current project, with Stantec sub-consulting to Providence Engineering. The 3.5 mile route will provide the final nationwide link of I-49 by connecting the existing I-49/I-20 interchange to the existing I-49/I-220 interchange. Stantec is leading the traffic study and impacts effort along with development of an implementation plan and strategy for the Stage 0 Feasibility Study. Public involvement for the I-49 Inner-City Connector is critical because potential corridors run through a traditionally low-income neighborhood where previous efforts to provide this link were not well received. Stantec will also provide input to concept development and evaluation, development of environmental investigations, and ultimately the context sensitive design elements. |                                                    |                                        |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Stantec Consulting Services Inc.                                   |                                                   |  |
| NAME                                                     | Ted Devens, PE, MCE, CPM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                        | 9                                                 |                                                                                    |
| TITLE                                                    | National PEL Program Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                 | 33                                                |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS   1995   Public Administration // BS   1984   Civil Engineering |                                                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PE No. 82541   FL   02/28/2027                                     |                                                   |                                                                                    |
| YEAR REGISTERED                                          | 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DISCIPLINE                                                         | Civil Engineering; Certified Public Manager, 2006 |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Ted leads a national PEL support cell within Stantec, to advise and support ongoing PEL project studies by regional Stantec teams and their state DOT, FHWA, and municipal clients. Ted led many project development teams for over \$5.4 billion of highway improvements – including multiple EIS studies. Studies employed the components of Cost Schedule Risk Assessment (CSRA), such as workplans, risk management, risk registers, and contingency planning. He also directed Feasibility Studies in advance of programming and NEPA. Ted managed inter-agency pilot initiatives, developed departmental strategy, and established training programs. He also supervised large programs, such as: construction of a NATO airbase in Turkey, Design and Construction activities at NC State University, and managing Aviation infrastructure for the NC Airports System. Ted will serve as <b>PEL TEAM LEADER</b> and provide <b>PEL-NEPA-TRANSITION GAP ANALYSIS/RISK MGMT.; NEPA PREPARATION/INITIATION</b>, as well as <b>FHWA MAJOR PROJECTS PMP/FP/CSRA COORD.</b> services for this contract. <b>Ted meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 3</b></p> |                                                                    |                                                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                    |                                                   |                                                                                    |
| 5/25 - Ongoing                                           | <b>WEST OAHU HIGH CAPACITY TRANSIT STUDY   Oahu MPO, HDOT, FRA, and local government   Honolulu, HI</b><br><b>Project Advisor/Technical Lead.</b> Ted personally advises the Stantec project team, local MPO, and other transportation entities regarding the potential expansion of Honolulu’s Skyline rail and bus service to West Oahu. Studies involve traffic and ridership modeling for optimal placement of relevant alignments and locations for activity center(s). Community impact and respect for Hawaiian cultural resources present paramount values, in addition to consideration of any environmental impacts which align with the upcoming NEPA study.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                    |                                                   |                                                                                    |
| 10/25 - Ongoing                                          | <b>NC 12 OUTER BANKS PEL STUDY   North Carolina DOT   Raleigh, NC</b><br><b>Project Advisor/Technical Lead.</b> This complex project seeks alternatives for a long-term solution to frequent storm wash-outs on NC 12 – the only access road serving communities on the lower NC outer banks. Ted provides the project team, NCDOT, and the FHWA-NC Division with advisement regarding an optimized project approach for accelerated delivery. The study involves coastal process and erosion modeling and the development of natural, hardened, and semi-hardened engineering solutions. Numerous features challenge alternative designs, such as a national wildlife refuge, national park, threatened and endangered species, migratory bird sanctuaries, varying community priorities, and cost.                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                    |                                                   |                                                                                    |
| 12/25 - Ongoing                                          | <b>I-65 CORRIDOR PEL STUDY   Tennessee DOT   Nashville, TN</b><br>Ted and his National PEL Team provide advisory and production support for TDOT’s PEL Study, which advances a 45 miles of interstate corridors leading into and surrounding downtown Nashville. The study focuses on identifying urban congestion relief strategies and establishing a foundation for future NEPA evaluations. His responsibilities include guiding early phase planning activities, advising on Purpose and Need development, and supporting TDOT’s extensive virtual public engagement process. The study examines system performance, multimodal considerations, and several innovative solutions to advance future NEPA studies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                    |                                                   |                                                                                    |
| 04/23 - Ongoing                                          | <b>I-94 GRANT MARSH BRIDGE PEL FEASIBILITY STUDY   North Dakota DOT   Bismarck, ND</b><br><b>Project Advisor/Technical Lead.</b> Ted presently advises and supports the Stantec regional team from Minnesota and North Dakota offices, to advance a PEL Feasibility Study which will likely replace the I-94 bridge over the Missouri River, and provide capacity and operational improvements to adjacent sections of I-94, I-194, and connections to local arterials. Duties include “PEL Pathfinding” and strategy formulation in an advisory role to the NDDOT and FHWA project management team.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                    |                                                   |                                                                                    |
| 01/23 - Ongoing                                          | <b>I-95 PEL STUDY   Connecticut DOT and FHWA   Stamford, CT</b><br><b>Project Advisor/Technical Lead.</b> Ted presently advises and supports the New Haven, Connecticut and Boston, Massachusetts offices to advance a PEL Study for the reconstruction of I-95 in Stamford, CT. Duties include “PEL Pathfinding” and an advisory role to the CTDOT and FHWA project management team.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                    |                                                   |                                                                                    |



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| 10/22 - 09/23 | <p><b>PEL GUIDANCE   Minnesota DOT   St Paul, MN</b><br/> <b>Team Lead; Primary Author.</b> Delivered multiple Guidance documents to support Minnesota DOT's next-Gen Planning and Environment Linkages (PEL) program. Completed research on federal and state laws and regulations regarding PEL authorities and requirements. Scoured federal PEL guidance documents, as well as the PEL programs for numerous State Departments of Transportation, then recommended a flexible, project-dependent application model for Minnesota. Reviewed existing MnDOT PEL documents and provided recommendations for improvement. Developed sample PEL Checklists and Timelines. Authored a unique "PEL Lite" approach entitled Planning to NEPA (P2NEPA), which seeks to advance project tasks while providing the flexibility of avoiding the sometimes-onerous efforts that numerous other state PEL programs utilize.</p>                                                                                                                                                                                                                   |
| 02/13 - 05/16 | <p><b>KINSTON BYPASS ENVIRONMENTAL IMPACT STATEMENT R-2553   North Carolina DOT   Kinston, NC</b><br/> <b>Project PD&amp;E Manager.</b> Ted served as Project PD&amp;E Manager for a 12-20 mile new location (EIS) bypass of Kinston, NC. This pilot project approach selected preliminary alternatives based on GIS-level analysis of functional designs, resulting in spotlighted attention from the inter-agency community. Major issues involved data reliability queries, economic and community impact, traffic projections, formulating a consistent Purpose and Need, major floodplain crossings, interfering FEMA buy-out parcels, wildlife corridors, and a historic battlefield, NCDOT led a first-ever, inter-agency effort to work with FEMA to justify the transportation use of FEMA Hazard Grant Management Program parcels. Responsible for all project activities, contracts, and agreements.</p>                                                                                                                                                                                                                     |
| 10/16 - 08/21 | <p><b>PEL PROCESS DEVELOPMENT   Florida DOT   Statewide, Florida</b><br/> <b>Project Manager.</b> Led the development team for a new FDOT Statewide Acceleration and Transformation (SWAT) process, which integrates PEL concepts to seamlessly transition from long-range planning to program selection to the environmental review study. Collaborated with FDOT Central Office and Districts to develop the process, a SWAT Workbook and practitioner guides/tools. Created a training curriculum, web-based training modules, and led training events statewide. Ted's team also developed a 281-page PEL Whitepaper for Florida DOT (FDOT), summarizing nearly three years of research, coordination, and case study analysis of all pertinent state and federal laws and regulations, including the best PEL Strategies from numerous DOTs across the country. His PEL Team synthesized findings into actionable guidance which accelerates project delivery and improves the integration of long range planning into the NEPA process.</p>                                                                                       |
| 08/12 - 01/16 | <p><b>HAVELOCK BYPASS ENVIRONMENTAL IMPACT STATEMENT, R-1015   North Carolina DOT   Havelock, NC</b><br/> <b>Project PD&amp;E Manager.</b> Ted served as Project PD&amp;E Manager for an 11-mile new location (EIS) bypass of Havelock in the coastal plain. Project involves significant wetlands and water quality issues, endangered species, military coordination, protected historic architecture and archaeological resources, CAMA, community impact assessment, impacts to an established wetland mitigation bank, and legal challenges to Purpose and Need. Passage through the Croatan National Forest prompted significant coordination and a complex agreement with US Forest Service. Project required additional natural resource studies to satisfy USFS, as well as an inter-agency renegotiation of the banking instrument for a 4,035 acre wetland mitigation bank. Responsible for all project activities, contracts, and agreements.</p>                                                                                                                                                                           |
| 07/17 - 02/20 | <p><b>PLANNING AND ENVIRONMENT LINKAGES (PEL) WHITEPAPER   Florida DOT   Statewide, Florida</b><br/> <b>Project Manager / Primary Author.</b> Primary author and Team lead author for a 281-page PEL Whitepaper for Florida DOT (FDOT), that summarized nearly three years of research, coordination, and case study analysis of all pertinent state and federal laws and regulations, including the PEL Strategies from numerous DOTs across the country. Developed recommendations/guidance to accelerate project delivery and smooth the transition from Planning to Project Development Phase.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 04/20 - 02/21 | <p><b>ALTERNATIVE CORRIDOR EVALUATION TRAINING   Florida DOT   Sarasota, Florida</b><br/> <b>Task Initiator/Advisor.</b> For the FDOT Alternative Corridor Evaluation (ACE) process, Ted initiated, advised, and supported production for a comprehensive FDOT Training Event. Instruction covered the ACE Process, and how it ties-in with the FDOT ETDM, SWAT, and SWEPT protocols.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 02/08 - 05/10 | <p><b>SUNSET BEACH BRIDGE ENVIRONMENTAL IMPACT STATEMENT B-0682   North Carolina DOT   Sunset Beach, NC</b><br/> <b>Project PD&amp;E Manager.</b> Ted served as Project PD&amp;E Manager to oversee the permit phase of this large and controversial bridge from mainland North Carolina to the barrier island of Sunset Beach (EIS). Following the Record of Decision, worked with local officials, NCDOT hydraulics, and permitting agencies to fully comply with all project commitments, respond to legal challenges, and assist with preparation of final permit applications and associated drawings and exhibits. Responsible for all project activities, contracts, and agreements.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 02/05 - 02/10 | <p><b>US 158 RECONSTRUCTION AND BASCULE BRIDGE REPLACEMENT   North Carolina DOT   Elizabeth City, NC</b><br/> <b>Project PD&amp;E Manager.</b> Project PD&amp;E Manager for the rebuilding of a "sinking road" through downtown Elizabeth City, and replacing the existing, historic bascule (draw) bridge over the Pasquotank River (EA/FONSI). The project necessitated a geotechnical solution that would allow excavations, yet structurally sustain many buildings located only four feet from highway. Hurricane evacuation planning, traffic modeling, endangered aquatic species, and impacts to a historic district were important considerations. The project team conducted substantial construction-phase planning and coordination with affected businesses and the Chamber of Commerce, to minimize economic disruption to the downtown area. Building conditions and component elevations were pre-surveyed just prior to construction, followed by a comprehensive during-construction plan that monitored vibrations and any building movement. Responsible for all project activities, contracts, and agreements.</p> |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Stantec Consulting Services Inc.                   |          |  |
| NAME                                                     | Amy Sackaroff, AICP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 23       |                                                                                     |
| TITLE                                                    | Senior Transportation Planner/NEPA Specialist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 2        |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | BS   2002   Environmental Engineering              |          |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Certified Planner No. 169653   LA   N/A            |          |                                                                                     |
| YEAR REGISTERED                                          | 2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DISCIPLINE                                         | Planning |                                                                                     |
| Contract role(s) / brief description of responsibilities | <p>Amy has 25+ years of experience advancing complex infrastructure projects from early planning through environmental review, design, and permitting. She specializes in leading Planning and Environment Linkages (PEL) studies, Environmental Impact Statements (EISs), Environmental Assessments (EAs), and associated technical studies in compliance with the National Environmental Policy Act (NEPA). Amy has extensive experience in developing Purpose and Need statements, screening and refining alternatives through technical and environmental evaluation, facilitating interagency and tribal coordination, and designing public involvement strategies that support defensible and accelerated NEPA outcomes. Her leadership on major planning and NEPA projects, including the ADHS Corridor K Improvements, US 70 Havelock Bypass, and I-526 Lowcountry Corridor WEST, demonstrates her ability to deliver innovative, risk-focused strategies on high-profile, environmentally sensitive projects. In addition to preparing NEPA documentation, Amy has developed FHWA-compliant PEL studies that seamlessly transition into NEPA while minimizing schedule risk. She has led multidisciplinary teams in early environmental screenings, Section 4(f) and Section 6(f) evaluations, Indirect and Cumulative Effects (ICE) analyses, and community/ environmental justice (EJ) studies. Amy brings specialized expertise in managing large corridor studies, advancing complex bridge and highway improvements, and applying integrated planning and environmental strategies to expedite project delivery. Amy will serve on the <b>PEL TEAM</b> providing <b>PEL-NEPA-TRANSITION GAP ANALYSIS/RISK MGMT.</b> and <b>PEL STREAMLINING/PRE-NEPA AGENCY COORDINATION</b> as well as <b>NEPA PREPARATION/INITIATION</b> and <b>SECTION 4(F), 6(F) AND PUBLIC RELATIONS</b> services for this contract. <b>Amy meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 3</b></p>  |                                                    |          |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                    |          |                                                                                     |
| 10/23 - Ongoing                                          | <b>I-94 GRANT MARSH BRIDGE PEL STUDY   North Dakota DOT   Bismarck &amp; Mandan, North Dakota</b><br><b>Senior NEPA Practitioner and PEL Specialist.</b> Stantec is leading a large, PEL-compliant Feasibility Study to evaluate operational improvements to I-94 and I-194, in Bismarck and Mandan. The Stantec team is assisting NDDOT and FHWA in taking a critical step by looking at this vital corridor in terms of traffic operations, capacity, safety, and a sustainable bridge solution which also aesthetically fits with adjacent parks and other uses. Amy is responsible for leading the development of the project Purpose and Need Statement, Community Studies, and Indirect and Cumulative Impact screening.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |          |                                                                                     |
| 05/21 - Ongoing                                          | <b>I-95 STAMFORD PEL STUDY   Stamford, CT</b><br><b>Senior Planner.</b> Amy provides subject matter expertise to help advance this PEL Study for the reconstruction of I-95 in Stamford. Responsibilities also include evaluating potential community and Environmental Justice impacts associated with conceptual alternatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |          |                                                                                     |
| 09/15 - 03/21                                            | <b>APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM (ADHS) CORRIDOR K IMPROVEMENTS   Graham County, NC</b><br><b>Project Manager/Senior NEPA Planner.</b> Responsible for project oversight, planning efforts, technical analyses, environmental documentation (including a Supplemental DEIS, Planning and Environment Linkages (PEL) Study, Environmental Assessment, Section 4(f) Evaluation, Community Impact Assessment (CIA), Environmental Justice (EJ) Analysis, and Indirect & Cumulative Effects (ICE) Assessment, Visual Impact Analysis (VIA), agency coordination, tribal coordination support, and public outreach related to the development of an improved transportation system through Graham County, NC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                    |          |                                                                                     |
| 01/12 - 12/16                                            | <b>US 70 HAVELOCK BYPASS (R-1015) FINAL ENVIRONMENTAL IMPACT STATEMENT (FEIS) AND RECORD OF DECISION (ROD)   Craven County, NC</b><br><b>Project Manager and Senior Transportation Planner.</b> Responsible for the development of a Reevaluation of the Draft Environmental Impact Statement, update of technical studies including Environmental Justice analysis, Indirect and Cumulative Effects Assessment, and preparation of a FEIS and ROD for a ten-mile bypass on new location through portions of the Croatan National Forest in Craven County. Studies were highly complex due to potential impacts to the Croatan National Forest and specifically the federally protected red-cockaded woodpecker. Provided technical direction on development of the FEIS and worked with design team to investigate potential alternatives, develop screening criteria, and identify measures to avoid, minimize, and mitigate impacts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                    |          |                                                                                     |

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| 09/24 - Ongoing | <b>PLANNING AND ENVIRONMENT LINKAGES (PEL) STUDY FOR THE WEST KNOXVILLE INTERSTATE CORRIDOR   TDOT   Knox, Anderson, and Louden Counties, TN</b><br><b>Senior NEPA Planner and PEL Specialist.</b> Amy is providing subject matter expertise and production support for the development of a PEL study to evaluate mobility improvements in west Knoxville.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 03/15 - Ongoing | <b>I-526 LOWCOUNTRY CORRIDOR WEST   Charleston, SC</b><br><b>Community Studies and Environmental Justice Lead.</b> Responsible for guiding the development of an Environmental Justice (EJ) Analysis, EJ outreach plan, EJ mitigation plan, Community Impact Assessment (CIA), Indirect & Cumulative Effects (ICE) Assessment, Section 4(f) Evaluation, Visual Impact Assessment (VIA), Section 6(f) Environmental Assessment (EA) and conversion application. Amy was also responsible for related portions of the Draft Environmental Impact Statement (Draft EIS), combined Final EIS/Record of Decision, as well as the lead technical writer for I-526 LCC WEST Reconnecting Communities Pilot Program (RCPP) Grant Application. Amy is currently part of the Stantec team leading the implementation of a \$146M EJ Community Mitigation Plan.                                                                                                                                                                                                                                                                                        |
| 04/17 - 10/17   | <b>PLANNING AND ENVIRONMENTAL LINKAGES (PEL) WHITE PAPER   Florida DOT   Statewide, FL</b><br><b>Co-lead Author.</b> Amy served as Co-lead author of a comprehensive PEL Whitepaper for the FDOT Office of Environmental Management. Responsible for researching and documenting most current state and federal laws, regulations, and guidance documents that govern the adoption or incorporation of Planning Products into the National Environmental Policy Act (NEPA) decision-making process. Tasks also included researching and cataloging federal & state laws and regulations, identifying FHWA, AASHTO, and other guidance materials, researching PEL programs of other State Transportation Departments, and providing recommendations for FDOT consideration regarding PEL integration into FDOT policies and programs.                                                                                                                                                                                                                                                                                                        |
| 06/24 - 06/25   | <b>BI-STATE SUSTAINABLE REINVESTMENT CORRIDOR   Mid-America Regional Council   Kansas City, MO</b><br><b>NEPA Framework Development and Compliance.</b> The Bi-State Sustainable Reinvestment Corridor (BSRC) project is a 24-mile transformative investment corridor, spanning Village West in Kansas City, Kansas, to Independence Square in Missouri. Covering the communities of Kansas City, Kansas, Kansas City, Missouri, Sugar Creek, Independence, and Jackson County, the BSRC aims to enhance connectivity and redevelop in a community-focused and sustainable way across the region. Led by the Mid America Regional Council (MARC) and supported by a \$5.6 million RAISE Grant awarded in 2022, the project is funded through federal support facilitated by Representatives Emanuel Cleaver, II, and Sharice Davids via the Bipartisan Infrastructure Bill. At the heart of the BSRC project is a commitment to establishing high-frequency, reliable, and convenient transit as the foundation of a zero-emissions public transportation system, providing efficient and sustainable east-west transit across Kansas City. |
| 06/03 - 10/07   | <b>SECOND BRIDGE TO OAK ISLAND   NCDOT   Brunswick County, NC</b><br><b>NEPA Planner and Project Coordinator.</b> Responsible for development of an Abbreviated FEIS and Record of Decision for a high rise bridge and five-mile new location roadway to Oak Island, NC. Prepared NEPA documentation and associated technical reports including an indirect and cumulative effects assessment and future land use scenarios for new development anticipated from the new access. Facilitated agency coordination and helped build consensus around NCDOT commitments to mitigate induced land use changes and adverse impacts to the study area's unique natural features and sensitive habitats.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 08/23 - Ongoing | <b>INNER LOOP NORTH TRANSFORMATION PROJECT   Rochester, NY</b><br><b>Senior NEPA Planner / Environmental Justice Specialist.</b> Amy is leading the development of an Environmental Justice analysis for this expressway removal project in accordance with current EOs on EJ, USDOT Order 5610.2(a) (Final Order to Address Environmental Justice in Minority Populations and Low-Income Populations), and FHWA's EJ Order 6640.23A (FHWA Actions to Address Environmental Justice in Minority Populations and Low-Income Populations). Our work supports the City's goal of creating more diverse transportation choices, promoting healthy, equitable and active lifestyles, and inclusive placemaking.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 08/16 - 06/17   | <b>WHISKEY ROAD COMPLETE STREETS CORRIDOR STUDY   City of Aiken   Aiken, SC</b><br><b>Senior Transportation Planner.</b> Environmental fieldwork, technical studies, public involvement, and NEPA document for a single point urban interchange. Responsible for field work and document preparation. Construction no applicable to this project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 06/15 - 06/20   | <b>I-40 WIDENING FEASIBILITY STUDY   NCDOT   NC</b><br><b>Project Manager / Senior Planner.</b> Responsible for project oversight, planning efforts, technical analyses, state Environmental Assessment, agency and stakeholder coordination, and public outreach related to the development of a multi-modal corridor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 07/16 - 08/21   | <b>I-26 / US 21 INTERCHANGE IMPROVEMENTS (EXIT 119)   SCDOT   Columbia, SC</b><br><b>Senior Transportation Planner.</b> Responsible for the preparation of a CE for an interchange improvement project. Provided technical direction on development of the CE and worked closely with the engineering design team to investigate potential alternatives, develop screening criteria, and evaluate measures to avoid and minimize impacts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Stantec Consulting Services Inc.                       |     |  |
| NAME                                                     | Logan Cates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER            | 4   |                                                                                    |
| TITLE                                                    | Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)     | 10  |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BS   2015   Sports Management and Community Recreation |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N/A                                                    |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DISCIPLINE                                             | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Logan brings a diverse background to his role as project coordinator. He has provided administrative and analysis support to management and has implemented tracking for task oversight and approvals of governmental agencies. Logan will provide <b>CONTRACT CONTROLS &amp; ADMINISTRATION INVOLVEMENT</b> services for this contract.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                        |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                        |     |                                                                                    |
| 01/22 - Ongoing                                          | <b>PROJECT MANAGEMENT OFFICE (PMO) SUPPORT TO PACIFICORP'S GATEWAY ENERGY 2024 AND 2030 TRANSMISSION PROGRAM AND TO ROCKY MOUNTAIN POWER'S TRANSMISSION CAPITAL EXPENDITURE PROJECTS   PacifiCorp   Salt Lake City, UT</b><br><b>Project Coordinator.</b> As part of PacifiCorp's Project Management Office (PMO) support team, Logan serves as the Deputy Project Manager for the Transmission Expansion B and C projects. In this role, he assists the Project Manager through all phases of the projects and helps ensure teams meet budget, schedule, and quality goals. His key responsibilities include reviewing invoices and tracking project metrics to identify any variances. He also manages requests for information and submittals, acting as a liaison between clients and regulatory agencies. In addition, Logan proactively identifies and addresses project challenges and works to keep projects aligned with their goals. Logan also supports the Gateway South Long-Term Monitoring (GWS LTM) program. In this role, he helps manage a multi-disciplinary team and sub-consultants who perform reclamation inspections and produce related reports. Previously, Logan served as the pre-construction project coordinator for Utah, Colorado, and Wyoming on the Energy Gateway South Transmission PMO team. He assisted with resource surveys, documentation planning, and agency coordination to meet notice-to-proceed requirements outlined in the record of decision. He also provided quarterly reporting for the Wyoming Industrial Siting Permit and conditional use permits. In this work, he supported the PMO by ensuring project vendors and consultants stayed within their defined scopes of work and contractual agreements for the project's permitting committees. This 420-mile, 500 kV transmission line project spanned three states and was placed into service in 2024. Services included: Project Management for Pre-Construction and Construction Requirements (i.e., Scope, Schedule, Budget), including Schedule Management, Procurement and Sub-Contracting, Financial Forecasting, Executive Reporting, and Dashboards; Quality Assurance/Quality Control of all Project Deliverables; Data Management, GIS, and mapping; Data collection and Surveys, including but not limited to Flora, Fauna, Cultural, Paleo, Geotechnical; Routing and Siting, NEPA support; Site Civil and Constructability Review for Plan of Development applicability; Engineering Design Requirements Coordination; Agency coordination and outreach; Management of the Plan of Development; Management of and driving the process to meet Record of Decision/Right-of-Way Grant requirements; Management of Notice to Proceeds; Construction Management and Monitoring support. |                                                        |     |                                                                                    |
| 07/21 - 12/22                                            | <b>USANA HEALTH SCIENCES   West Valley City, UT</b><br><b>Quality Control Technician.</b> Logan assisted with maintaining a quality assurance system, making sure manufactured products meet necessary quality standards. He provided summary analysis to management and auditors as needed. Logan also conducted routine quality assurance tasks to make certain cGMP compliance, product quality output, and specifications were conformed with.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |     |                                                                                    |
| 01/12 - 11/21                                            | <b>UTAH JAZZ   Salt Lake City, UT</b><br><b>Assistant Equipment Manager.</b> Logan assisted in the oversight and management of the practice facility, communicating scheduling and responsibilities to gameday staff. He coordinated with outside stakeholders to provide execution of NCAA March Madness. Logan also implemented a new inventory method for improving efficiency and conserving storage space, as well as developed and executed upkeep therapy pools.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                        |     |                                                                                    |

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| NAME                                                     | <b>Barbara Wagner, PE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                         | <b>20</b>                |                                                                                    |
| TITLE                                                    | <b>Associate, Senior Project Manager</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                  | <b>10</b>                |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>MS   2007   Energy and Resources // BS   1982   Civil Engineering Technology</b> |                          |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>PE No. 081248   PA   09/30/2025</b>                                              |                          |                                                                                    |
| YEAR REGISTERED                                          | <b>2013</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DISCIPLINE                                                                          | <b>Civil Engineering</b> |                                                                                    |
| Contract role(s) / brief description of responsibilities | Barbara prepares SEQRA and NEPA Environmental Impact Statements and Environmental Assessments. She also has extensive experience in planning and managing supporting studies and analysis, including evaluation of noise, visual, cultural, and ecological resources as well as environmental justice considerations. As a professional environmental engineer, she has "boots on ground" understanding of EIS/EA supporting documentation, including stormwater plans, noise studies, site remediation, traffic studies and visual/viewshed assessments. She has prepared and reviewed environmental permits and SEQR/NEPA environmental impact statements for facilities including coastal resiliency, wind farms, landfills, hospitals, and building projects. Barbara will provide <b>DIGITAL &amp; MEDIA MGT. / SECTION 508 COMPLIANCE and NEPA PLAIN LANGUAGE COMPLIANCE</b> services for this contract.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                          |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                     |                          |                                                                                    |
| <b>01/19 - 06/24</b>                                     | <b>NEPA ENVIRONMENTAL ASSESSMENT, ROUTE 7/15 INTERSECTION   Connecticut DOT   Norwalk, CT</b><br><b>Environmental Assessment, Senior Reviewer.</b> CTDOT proposes improvements include potential impacts to historic resources, including unique bridges and the scenic Merritt Parkway. Other resources require in-depth analysis, including traffic, noise, air, and cultural resources. Authored/edited EA sections, drawing on the expertise of multiple Stantec offices and subconsultants and staying abreast of evolving design plans and alternatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                          |                                                                                    |
| <b>03/19 - 02/21</b>                                     | <b>WESTCHESTER (TARRYTOWN) RIVERWALK EXTENSION &amp; CONNECTION TO MARIO CUOMO MEMORIAL BRIDGE SHARED-USE PATH, SEQR/NEPA ENVIRONMENTAL ASSESSMENT   Tarrytown, NY</b><br><b>Senior Independent Reviewer.</b> Senior independent reviewer for this EA of the extension of the existing Westchester (Tarrytown) RiverWalk under the Mario Cuomo Memorial Bridge with connection to Losee Park and the new shared use path on the bridge. Ms. Wagner participated in interim reviews throughout the EA preparation as well as final QA/QC. The EA examined numerous routing options were examined to determine which of these were feasibility, potential impacts, costs and benefits. Key stakeholders included Scenic Hudson, New York Thruway Authority, Metro North Railroad, NYS DEC, Westchester County Planning and the Village of Tarrytown as well as the residents of the Van Wart and Quay neighborhoods on either side of the bridge. The preliminary plans and opinions of probable costs prepared for this EA will lay the foundation for further evaluation in the assessment and permitting process for this project.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                     |                          |                                                                                    |
| <b>11/21 - 11/23</b>                                     | <b>LOWER MANHATTAN COASTAL RESILIENCY - BATTERY   New York, NY</b><br><b>Environmental Assessment, Senior Reviewer.</b> Prepared NEPA EAs for three health clinics and two hospitals in NY state to meet HUD and FEMA requirements with special emphasis on resiliency, community development, traffic and visual resources. Projects included the EAs for Northwell Health resiliency projects in New York City with budgets totaling \$53 million. Assessments required coordination with multiple state and local agencies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                          |                                                                                    |
| <b>12/22 - 12/23</b>                                     | <b>AMTRAK NORTHEAST CORRIDOR FENCING PROGRAM: OVERSIGHT FOR PROGRAMMATIC NEPA AND OUTREACH   National Railroad Passenger Corporation   Philadelphia, PA</b><br><b>NEPA Team Member.</b> The Northeast Corridor (NEC) is a 457-mile-long rail high-speed corridor owned by Amtrak that passes through eight states and the District of Columbia, connecting all of the major metropolitan areas that comprise the Northeast Megalopolis, including New York City. To address trespassing and other physical security concerns, Amtrak has initiated the NEC Fencing Program to construct new or replace existing physical barriers, such as fencing, where feasible, along the entire NEC right-of-way. Amtrak selected Stantec to serve as the Program Manager and lead the NEPA compliance for the Fencing Program. Due to the scale and the incremental funding required to implement the Program, Stantec recommended the development of a Programmatic Environmental Assessment/ Finding of No Significant Impact (EA/FONSI) to document the anticipated impacts. Stantec prepared the program purpose and need and developed the scope of work for regional firms that will be tasked with collecting the environmental data and conducting the impact analysis. Stantec is providing oversight to the regional firms and partnering with them to develop and implement a scalable public involvement and awareness program. Stantec is also responsible for the preparation on the NEPA documentation and Section 106 NHPA and Section 7 of the ESA compliance. |                                                                                     |                          |                                                                                    |

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| NAME                                                     | <b>Hannah Clements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | <b>7</b> |
| TITLE                                                    | <b>Transportation Planner</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | <b>1</b> |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>BS   2017   Environmental Science</b> |                                                    |                                                                                    |          |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>N/A</b>                               |                                                    |                                                                                    |          |
| YEAR REGISTERED                                          | <b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DISCIPLINE                               | <b>N/A</b>                                         |                                                                                    |          |
| Contract role(s) / brief description of responsibilities | Hannah has eight years of experience in the transportation sector, primarily preparing technical environmental documents relating to the implementation of the National Environmental Policy Act (NEPA). Her work focuses on community studies and the human environment on a local and regional scale. She has worked on various projects throughout the Southeast including South Carolina, North Carolina, and Georgia, to provide technical support for the project team including Environmental Justice outreach, public involvement, noise and wetland field studies, community impact analysis, and relocation impact analysis. In addition, Hannah is proficient in Geographic Information Systems (GIS) analysis which allows her to create mapping to better understand demographic data for Environmental Justice/Title VI populations and Limited English Proficiency/Language Assistance communities. Hannah's GIS analysis experience also facilitates the assessment of environmental data such as land uses, rights-of-way, community features, floodplains, wetlands, and farmland. Hannah has prepared federal and state environmental documents ranging from Environmental Impact Statements (EIS), Environmental Assessments (EA) /Finding of No Significant Impacts (FONSI), Categorical Exclusions (CE), Minimum Criteria Determination Checklists (MCDC), Feasibility Studies, Community Impact Assessments (CIA), an Environmental Justice Analysis, Section 4(f) Evaluations, a Relocation Impact Study, and an Environmental Outreach Strategy. Hannah will provide <b>COMMUNITY IMPACT ASSESSMENTS</b> for this contract. |                                          |                                                    |                                                                                    |          |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |                                                    |                                                                                    |          |
| <b>07/18 - Ongoing</b>                                   | <b>I-526 LOWCOUNTRY CORRIDOR WEST   South Carolina DOT   Charleston, SC</b><br><b>Environmental Planner.</b> Planning and design studies for the 9.7-mile segment of I-526 between West Ashley and North Charleston to increase capacity, relieve traffic congestion, and improve operations. Hannah provided technical support for the project team including Environmental Justice public involvement, relocation impact analysis, ADA compliance, DEIS and FEIS technical writing, and Geographic Information Systems (GIS) analysis. She also provided data analysis and created mapping to better understand demographic information for Environmental Justice impacts and the assessment of environmental data such as land uses, rights-of-way, community features, floodplains, wetlands, and farmland. Hannah was the lead technical writer for the Community Impact Assessment (CIA), Environmental Justice Analysis, Relocation Impact Study, Pop-Up Meeting Summary, and Environmental Outreach Strategy. She also helped to develop the Section 4(f) Evaluation, Section 6(f) Evaluation, and Environmental Justice Community Mitigation Plan. Since the signing of the FEIS-ROD in October 2020, Hannah has been working to implement the robust Environmental Justice Community Mitigation Plan within the impacted North Charleston neighborhoods.                                                                                                                                                                                                                                                                                   |                                          |                                                    |                                                                                    |          |
| <b>01/23 - Ongoing</b>                                   | <b>THE COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS (CNMI) JOINT MILITARY TRAINING EIS   US Marine Corps and NAVFAC   Tinian, CNMI</b><br><b>Socioeconomics Lead.</b> Hannah led the update to the original socioeconomic study that will be included with the revised EIS document. Her work included the collection of Census data in Tinian, interviewing local agencies, assessing project impacts, and writing the narrative of the document.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                          |                                                    |                                                                                    |          |
| <b>02/21 - 12/23</b>                                     | <b>I-4409 INTERCHANGE IMPROVEMENTS   North Carolina DOT   Black Mountain, NC</b><br><b>NEPA Planner.</b> Hannah was a technical writer who worked on the Community Impact Assessment, farmlands assessment, and Categorical Exclusion document. She helped coordinate with Tribal representatives and members of Division 13.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |                                                    |                                                                                    |          |
| <b>12/22 - 01/25</b>                                     | <b>MD 355 FLASH BUS RAPID TRANSIT ENVIRONMENTAL ASSESSMENT   Montgomery County   Montgomery County, MD</b><br><b>Technical Writer.</b> Hannah led the Stantec NEPA team, wrote the socioeconomic sections of the MD 355 EA, and provided a quality review for sections written by various team members.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |                                                    |                                                                                    |          |
| <b>05/18 - 04/21</b>                                     | <b>FIVE BRIDGE REPLACEMENTS ON I-20   South Carolina DOT   Aiken County, SC</b><br><b>Environmental Planner.</b> Hannah wrote the Programmatic Categorical Exclusions (PCE) for three of the replacement bridges. She coordinated with SCDOT NEPA Coordinator/Archaeologist to make a "de minimus" determination to address temporary construction impacts to the North Augusta Greenway, in order to meet requirements under Section 4(f) of the U.S. Department of Transportation (USDOT) Act of 1966. Hannah also helped prepare the Public Involvement materials for the public information meeting held to discuss potential impacts to the North Augusta Greenway.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                                                    |                                                                                    |          |

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| NAME                                                     | <b>Elizabeth "Beth" (Stalzer) Beam, AICP</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | <b>6</b>  |
| TITLE                                                    | <b>Senior Transportation Planner</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | <b>31</b> |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>MS   1993   Environmental Science // BA   1984   Urban and Regional Planning</b> |                                                    |                                                                                    |           |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Certified Planner No. 013384   National   N/A</b>                                |                                                    |                                                                                    |           |
| YEAR REGISTERED                                          | <b>1997</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DISCIPLINE                                                                          | <b>Planning</b>                                    |                                                                                    |           |
| Contract role(s) / brief description of responsibilities | Beth has 37 years of experience in transportation infrastructure development and multimodal planning. She is responsible for transportation planning and environmental projects including National Environmental Policy Act (NEPA) activities and the documentation for the Florida DOT Project Development & Environment (PD&E) process for Districts 2, 3, 4, 5, and 7 and is familiar with management of documentation in FDOT SWEPT. She has prepared and completed Environmental Impact Statements (EIS)/Environmental Assessments (EA) for projects located in LA, TX, TN, PA, and NJ. Her efforts include regulatory agency coordination at the federal, state, and local level. Beth has been involved in completing compliance audits and Phase I/Phase II Environmental Site Assessments. Her public outreach/engagement efforts include public meeting preparation and coordination, presentation development, flyer/newsletter design and production. Beth will provide <b>PEL STREAMLINING/PRE-NEPA AGENCY COORD., NEPA AND PEL DOCUMENTATION</b> and <b>COMMUNITY IMPACT ASSESSMENTS</b> services for this contract.                                                           |                                                                                     |                                                    |                                                                                    |           |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                     |                                                    |                                                                                    |           |
| <b>9/15 - 03/17</b>                                      | <b>DIJON DRIVE EXTENSION EA AND REEVALUATION   Capital Region Planning Commission   East Baton Rouge Parish, LA</b><br><b>Associate Project Manager/Task Leader.</b> Responsible for land use analyses, demographic analysis, natural resource analysis, EA document preparation, Phase I Environmental Site Assessment (ESA) field work, document/records research, technical workshop preparation, technical report preparation, public/stakeholder outreach, and agency coordination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     |                                                    |                                                                                    |           |
| <b>01/14 - 05/17</b>                                     | <b>PETE'S HIGHWAY ENVIRONMENTAL ASSESSMENT   Livingston Parish, LA</b><br><b>Project Planner/NEPA Lead.</b> Responsible for agency coordination, land use analysis, demographic analysis, natural resource analysis, technical document preparation, EA document preparation, Phase I ESA field work, document/records research, technical report preparation, and public/stakeholder outreach.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |                                                    |                                                                                    |           |
| <b>09/12 - 02/14</b>                                     | <b>LA 143 - US 165 CONNECTOR AND OUACHITA RIVER BRIDGE, ENVIRONMENTAL IMPACT STATEMENT (EIS)   LADOTD   Ouachita Parish, LA</b><br><b>Project Planner/Scientist.</b> Responsible for evaluating the composition of the affected project area, sociocultural data collection and evaluation to identify any sensitive populations (minority, low-income, linguistic proficiencies). Alternatives evaluated resulted in impacts to historic and minority neighborhoods. The number of residences potentially impacted were considered significant and alignment shifts were developed. Additional impacts to business were considered. Efforts included evaluation of alternatives to minimize impacts, shift alignments, and reduce the amount of right-of-way required. Public involvement activities included public outreach materials, stakeholder invitations, handouts, exhibits, presentation materials preparation, and meeting facilitation.                                                                                                                                                                                                                                         |                                                                                     |                                                    |                                                                                    |           |
| <b>08/22 - Ongoing</b>                                   | <b>LONG KEY BRIDGE PROJECT DEVELOPMENT AND ENVIRONMENT STUDY   Florida DOT District 6   Monroe County, FL</b><br><b>Project Manager.</b> Serving as PM for replacement of the 2.3-mile-long segmental bridge crossing Long Key Channel in Monroe County. Responsible for multiple agency coordination including the US Coast Guard for bridge clearance determination, Florida Keys National Marine Sanctuary, State Historic Preservation Office for Section 4(f) and historic resources (FKOHT bridge). Efforts include advanced land and water based geotechnical investigations, drainage analysis with limited land area, benthic resource surveys, stakeholder coordination. Public engagement is extensive beginning with a Public Kickoff Meeting, online public Navigation Survey, agency coordination, virtual and hybrid public engagement activities and two agency Environmental Forums                                                                                                                                                                                                                                                                                         |                                                                                     |                                                    |                                                                                    |           |
| <b>04/13 - 09/16</b>                                     | <b>US-11 NORFOLK SOUTHERN RAILROAD EA   LADOTD   St. Tammany Parish, LA</b><br><b>Associate Project Manager.</b> Responsible for evaluating the composition of the affected project area, sociocultural data collection and evaluation to identify any sensitive populations (minority, low-income, linguistic proficiencies). The project area included multiple businesses, low-income, and minority neighborhoods. Proposed improvements initially resulted in eliminating access to a low-income neighborhood. In addition, business impacts were significant along with potential impacts to historic properties. Alternatives were revised to minimize impacts, modify alignments to accommodate access, and reduce the amount of additional right-of-way required. Extensive coordination with Norfolk Southern Railroad was required. Public involvement activities included public outreach materials, stakeholder invitations, handouts, exhibits, presentation materials preparation, and meeting facilitation. Responsible for sociocultural impacts evaluation, conceptual stage relocation plan, Section 106, contamination, wetlands, species and habitat, and EA with FONSI. |                                                                                     |                                                    |                                                                                    |           |

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|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Stantec Consulting Services Inc.</b>                                                                                                  |                                                    |  |          |
| NAME                                                     | <b>Yosef Shirazi, PhD</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                          | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | <b>8</b> |
| TITLE                                                    | <b>Senior Associate</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                          | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | <b>7</b> |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>PhD   2019   Marine Studies // MS   2011   Marine Science<br/>BS   2007   Environmental Science and Policy // BS   2007   Biology</b> |                                                    |                                                                                    |          |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>N/A</b>                                                                                                                               |                                                    |                                                                                    |          |
| YEAR REGISTERED                                          | <b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DISCIPLINE                                                                                                                               | <b>N/A</b>                                         |                                                                                    |          |
| Contract role(s) / brief description of responsibilities | Yosef has 15 years of experience in economics and marine science. He has performed extensive work valuing ecosystem services, conducting benefit-cost analyses, and assessing socioeconomic impacts, especially in coastal and marine environments. His areas of technical expertise include welfare economics, social cost accounting, biophysical relationships, as well as electrical grid operations and markets. Yosef excels on interdisciplinary teams where he can leverage his knowledge of biological, engineering, and economic disciplines to harmonize analytical targets and methodologies. Yosef will provide <b>BUSINESS EFFECTS &amp; ECONOMIC ANALYSIS</b> services for this contract.                                                                                                                                                                                                                                                                                     |                                                                                                                                          |                                                    |                                                                                    |          |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                          |                                                    |                                                                                    |          |
| <b>07/11 - 03/25</b>                                     | <b>BENEFIT-COST ANALYSIS OF ALTERNATIVE COOLING WATER INTAKES STRUCTURES</b><br><b>Economist.</b> Yosef evaluated the full range of economic benefits and economic costs from proposed changes in cooling water intake structure technologies at approximately one dozen large facilities along the Great Lakes and the Atlantic seaboard of the US. The considered range of technologies represented a variety of changes to operating cost, air quality, water quality and quantity, as well as widely divergent rates of impingement and entrainment of aquatic organisms. He collaborated with engineers and biologists to develop linked biophysical, techno-economic, and recreational behavior models. Among other categories, these models quantified and monetized changes to commercial and recreational harvests of aquatic organisms; estimated changes in non-use values associated with changes in ecosystem function; and created reports detailing methodology and findings. |                                                                                                                                          |                                                    |                                                                                    |          |
| <b>02/21 - 10/22</b>                                     | <b>BENEFIT-COST ANALYSIS OF SALTON SEA 10-YEAR MANAGEMENT PLAN   Natural Resources Conservation Service   Southern CA</b><br><b>Economist.</b> Yosef was responsible for developing a robust benefit-cost analysis accounting for all materially foreseeable benefits and costs of large undertakings aimed at restoring habitat and suppressing dust in the Salton Sea watershed. Analysis incorporated uncertainty through extensive Monte-Carlo simulations. Activities also included developing substantial benefit-cost documentation and frequent interfacing with federal and state funding agencies. Benefit analysis included the monetization of changes in agricultural yield and human health resulting from dust suppression, increases in recreational benefits, and potential increases in non-use values, among other categories. The anticipated cost of construction and operations for the proposed plan is approximately \$2 billion.                                    |                                                                                                                                          |                                                    |                                                                                    |          |
| <b>09/18 - 02/20</b>                                     | <b>ZERO EMISSION VEHICLES ANALYSIS   American Fuel and Petrochemical Manufacturers</b><br><b>Economist.</b> Yosef assessed the impacts to social welfare from regulation-induced increases in electric vehicle adoption and the distribution of these impacts over space and time. Areas of focus included changes in total emissions of greenhouse gases and criteria pollutants; impacts to congestion, human safety and human health; and the required levels of subsidies to achieve target levels of electricity vehicle penetration. Yosef's analysis drew from over 50 peer reviewed papers and included the building of novel stochastic quantitative models to evaluate implicit subsidies associated with the purchase of various classes of new vehicles.                                                                                                                                                                                                                         |                                                                                                                                          |                                                    |                                                                                    |          |
| <b>07/17 - 12/21</b>                                     | <b>BENEFIT-COST ANALYSIS FOR US EPA CLEAN WATER ACT COMPLIANCE   First Energy, Calpine, TVA, and Others</b><br><b>Economist.</b> Yosef evaluated social benefits and costs from changes in the impingement and entrainment of aquatic organisms under different technological options for cooling water intakes at large electricity generating stations. He collaborated with engineers and biologists to ensure data harmonization and develop technological costs; developed models to monetize increased commercial and recreational harvests of aquatic organisms; estimated changes in non-use values associated with changes in ecosystem function; and created reports detailing methodology and findings.                                                                                                                                                                                                                                                                           |                                                                                                                                          |                                                    |                                                                                    |          |
| <b>02/19 - 07/19</b>                                     | <b>GREEN POWER PROVIDER SOCIOECONOMIC ANALYSIS   TENNESSEE VALLEY AUTHORITY (TVA)</b><br><b>Economist.</b> Yosef assessed the impacts of proposed modifications to TVA's Green Power Plan on the area's projected electricity generation mix. This analysis modeled the impacts to residential and commercial adoption of distributed generation resources based on modified financial incentives provided to end users, and the anticipated change this causes to the quantity of distributed electricity generation on the grid.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                          |                                                    |                                                                                    |          |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stantec Consulting Services Inc.                   |     |  |
| NAME                                                     | Josh McEnany                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 1   |                                                                                    |
| TITLE                                                    | Senior Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 25  |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BS   2000   Forest Ecosystem Management            |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A                                                |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DISCIPLINE                                         | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Josh is a Senior Project Manager and Environmental Scientist in the Baton Rouge, Louisiana office with more than 26 years' experience in environmental consulting, project management, and natural resources studies and investigations. He has participated in and supervised projects ranging in size from large military bases encompassing over 40,000 acres to small, site-specific areas of less than 1 acre. The value of these projects has also been quite diverse, ranging from \$500 to \$1.6 million. Through the years he has performed field surveys in 42 states and have supervised large multidisciplinary teams of up to 15 staff members, consisting of environmental planners; wetland, wildlife, and fisheries biologists; botanists; terrestrial and aquatic ecologists; restoration ecologist, plant abatement technicians; and GIS specialists. Josh has been responsible for managing large National Environmental Policy Act (NEPA) documents, conducting jurisdictional wetland determinations, completing Clean Water Act Section 401/404 USACE permits, performing threatened and endangered species surveys, conducting informal and formal Section 7 consultation with the U.S. Fish and Wildlife Service, using Habitat Evaluation Procedures (HEP) to model potential impacts to wildlife species for Section 206 Aquatic Restoration projects, vegetation and habitat assessments, developing environmental checklists, agency coordination, and public involvement (Scoping Meetings). He has prepared and manages Environmental Impact Statements (EISs), Environmental Assessments (EAs), Categorical Exclusions (CEs), and Biological Assessments (BAs). Josh will provide <b>WETLANDS, STREAMS &amp; PERMITTING</b> services for this contract. <b>Josh meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 8, 9</b></p> |                                                    |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |     |                                                                                    |
| 11/24 - 12/24                                            | <b>WETLAND AND WATERBODIES DELINEATION FOR LOUISIANA STATE UNIVERSITY REFFS   Louisiana State University   Baton Rouge, LA</b><br><b>Wetland Scientist.</b> Josh was the lead wetland scientist. He delineated the 40 acre site for wetland and waterbodies that would be regulated under the Clean Water Act. He conducted the wetland delineation, authored the report, and submitted the report to the client.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |     |                                                                                    |
| 10/21 - 12/23                                            | <b>WETLAND DELINEATION FOR THE EASTERN JACKSON COUNTY WASTEWATER TREATMENT PLANT   Pascagoula, MS</b><br><b>Project Manager/Wetland Scientist.</b> Initially Josh, completed multiple wetland investigations across multiple tracts within and surrounding Pascagoula, Mississippi. This was done to find the most adequate tract to potentially sit a new East Jackson County Wastewater Treatment facility. In total there were four tracts (totaling more than 330 acres) that were investigated for the presence and extent of potential jurisdictional waters of the United States (U.S.), including wetlands. Additionally, over 12 miles of pipeline was delineated. Josh not only completed the wetland delineations but managed the project, authored the report, and acted as the liaison between the USACE and the client. He also worked with Arcadis to identify potential mitigation banks and solutions, as well as completed wetland function assessments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |     |                                                                                    |
| 11/20 - 12/21                                            | <b>WETLAND DELINEATION FOR PROPOSED WIND TURBINES IN QUITMAN AND TUNICA COUNTY, MISSISSIPPI   Tunica, MS</b><br><b>Project Manager/Wetland Scientist.</b> This project was to perform a wetland delineation across 31,000 acres of agricultural, sloughs, swamps, and natural brakes within Quitman and Tunica Counties, Mississippi. Josh was the project manager and senior wetland ecologist for this project. He led a team of 4 wetland ecologists for a period of 3 weeks conducting the surveys using sub-meter accurate GPS equipment. The original estimated time to complete the project per CSRS was approximately 5 weeks; however, Josh and his team were able to accomplish the work within only 3 weeks through the use of innovated mapping tools, wetland delineation tactics, and time management practices. Josh was also responsible for coordination between not only his client but also other companies that completed other various tasks not associated with the wetland delineation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |     |                                                                                    |
| 09/19 - 12/20                                            | <b>WETLAND DELINEATION OF THE STUART MESA WEST AGRICULTURAL FIELDS, COASTAL DUNES AND BLUFF ON MARINE CORPS BASE CAMP PENDLETON (MCBCP)   NAVFAC Southwest   Camp Pendleton South, CA</b><br><b>Project Manager/Wetland Scientist.</b> Responsible for conducting the wetland delineation, authoring the report, and coordination between the USACE and MCBCP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |     |                                                                                    |



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| 02/19 - 04/19 | <b>WETLAND DELINEATION FOR PROPOSED WEST HACKBERRY STRATEGIC PIPELINE RIGHT-OF-WAY   Cameron Parish, LA</b><br><b>Wetland Scientist.</b> Josh was tasked to perform a wetland delineation, provide a wetland findings report, and coordinate with the USACE to obtain a jurisdictional determination. The project corridor project was approximately 2.1 miles and totaled 21 acres of wetland survey area. Josh was responsible for conducting the wetland delineation, authoring the wetland findings report, and working with the USACE to obtain a jurisdictional determination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 07/22 - 11/23 | <b>NATURAL RESOURCES SERVICES AT SIX U.S. ARMY MATERIEL COMMAND INSTALLATIONS   USACE Huntsville District</b><br><b>Project Manager and Environmental Scientist.</b> Josh was the project manager and completed field work for this task order, which was to provide a multitude of natural resources services at 5 different U.S. Army Material Command Installations. These services included level 1 flora and fauna surveys at Pueblo Chemical Depot in Pueblo County, Colorado; level 1 floral surveys at Letterkenny Army Depot in Franklin County, Pennsylvania as well as development and construction of 500 acres of bobwhite quail habitat; floral and threatened and endangered species surveys, as well as water surveys and sampling at Pine Bluff Army Depot in Pine Bluff, Arkansas; two seasons of elk, pronghorn, and mule deer surveys using ocular pedestrian surveys and remote camera surveys at Tooele Army Depot in Tooele, Utah; and lastly construction and installation of five golden eagle perches, as well as creation of 250 acres of golden eagle foraging habitat at Sierra Army Depot in Herlong, California. Josh attended kick-off meetings at each installation, conducted biological surveys at Tooele as well as Sierra, coordinated all subcontractors, assisted in the development of various reports associated with the surveys, and maintained communication between GSRC and HGL as well as the various installation representatives. |
| 08/20 - 12/21 | <b>LEAST TERN/SNOWY PLOVER HABITAT MANAGEMENT, MARINE CORPS BASE CAMP PENDLETON   NAVFAC Southwest   Camp Pendleton South, CA</b><br><b>Project Manager.</b> Josh was the project manager for this project which was designed to provide habitat protection, maintenance, and enhancement for the endangered California least tern ( <i>Sternula antillarum browni</i> )(LETE) and threatened western snowy plover ( <i>Charadrius nivosus nivosus</i> ) at designated tern colony sites on Marine Corps Base, Camp Pendleton. Methods used to accomplish project goals involved invasive species control, vegetation removal, large woody biomass removal, and sand replenishment. As the project manager he responsibilities included oversight of personnel, schedule, budget, subcontractors, and constant coordination with not only NAVFAC SW but also personnel on Camp Pendleton.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 03/22 - 03/24 | <b>ENVIRONMENTAL SUPPORT FOR CONSTRUCTION OF NEW SAN DIEGO PROCESSING FACILITY AT POGO ROW   U.S. Customs and Border Protection San Diego Sector</b><br><b>Project Manager.</b> Responsible for overseeing all biological resources surveys (general fauna and flora as well as protocol level surveys for T&E species) and the wetland delineation. Josh authored the Environmental Assessment, listed species mitigation plan, wetland mitigation plan, and all Section 401 and 404 permits for this project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 08/20 - 08/21 | <b>QUINO CHECKERSPOT BUTTERFLY HABITAT MONITORING FOR NATURAL RESOURCES MANAGEMENT   Camp Michael Monsoor, CA</b><br><b>Project Manager.</b> Naval Facilities Engineering Command Southwest (NAVFAC SW) contracted GSRC to conduct habitat monitoring for the federally Endangered Quino checkerspot butterfly (QCB) ( <i>Euphydryas editha quino</i> ) at Camp Michael Monsoor (CMM), California. In 2011, the Navy finalized a QCB habitat enhancement plan that prescribed several strategies for managing QCB habitat on CMM. Since the finalization of the QCB habitat enhancement plan, the Navy has initiated projects to implement management strategies, focusing on three specific management areas. In addition to the management strategies, the Navy has implemented a habitat and population monitoring plan. This task order included an assessment of the success of the enhancement of management areas, assessment of host and nectar plant establishment, and surveys for invasive species. Josh was responsible for all aspects of this project including coordination with CMM, management of biological survey crews, project budget and schedule, as well as authoring the final report.                                                                                                                                                                                                                                                                    |
| 04/19 - 06/19 | <b>BROWN-HEADED COWBIRD TRAPPING ON MARINE CORPS BASE CAMP PENDLETON   Camp Pendleton, CA</b><br><b>Project Manager.</b> Naval Facilities Engineering Command, Southwest on behalf of the U.S. Marine Corps contracted GSRC to conducting brown-headed cowbird trapping activities within Marine Corps Base Camp Pendleton (MCBCP) to reduce the threat and impact of brood parasitism on the federally threatened least Bell's vireo and southwestern willow flycatcher and to assist MCBCP in maintaining compliant actions supporting military training in accordance with the MCBCP Integrated Natural Resources Management Plan and USFWS Programmatic Biological Opinion. A total of 40 brown-headed cowbird traps were operated along primary drainages within MCBCP from April through June 2019. A total of 223 brown-headed cowbirds were captured during this timeframe. Josh was responsible for authoring the work plan, accident prevention plan, summary report, and coordination with field crews and MCBCP.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 08/19 - 08/20 | <b>SALT MARSH HARVEST MOUSE SURVEYS AND GENETIC SAMPLING AT MARINE CORPS FIRING RANGE PROPERTY   Vallejo, CA</b><br><b>Project Manager.</b> Naval Facilities Engineering Command, Southwest contracted GSRC to conduct survey for the presence of the federally endangered salt marsh harvest mice (SMHM; <i>Reithrodontomys raviventris</i> ) at the Marine Corps Firing Range (MCFR) Property, former Mare Island Naval Shipyard, Vallejo, Solano County, California, and to collect genetic samples of any captured harvest mice for ongoing population genetics research. The trapping effort resulted in a total of 755 trap nights and 257 capture events (all capture and recapture instances). A total of three individual California voles ( <i>Microtus californicus</i> ), 128 house mice, eight genetically confirmed western harvest mice, and three genetically confirmed SMHM were captured. Josh was responsible for conducting the kickoff meeting, coordination between surveyors and NAVFAC SW, and all other project components.                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Stantec Consulting Services Inc.</b>               |                                                    |  |           |
| NAME                                                     | <b>Fran DeMarco</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | <b>24</b> |
| TITLE                                                    | <b>Principal, Planning + Landscape Architecture</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | <b>8</b>  |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>AA   1992   Architecture Design and Technology</b> |                                                    |                                                                                    |           |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>N/A</b>                                            |                                                    |                                                                                    |           |
| YEAR REGISTERED                                          | <b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DISCIPLINE                                            | <b>N/A</b>                                         |                                                                                    |           |
| Contract role(s) / brief description of responsibilities | With 32 years of global experience in design, planning, and construction, Fran has lead and contributed to a range of large, complex projects, supporting efforts from feasibility and design through detailed construction documentation and construction phases. An effective communicator, he coordinates multidisciplinary teams, engages stakeholders, and ensures alignment across diverse clients and jurisdictions. His award-winning portfolio includes bridges, streetscapes, and roadways; parks and greenways; sporting facilities; commercial and urban developments; hotels, resorts, and themed attractions; master-planned communities; golf courses; and marinas across North and South America, the Middle East, Europe, Asia, and the Caribbean. Fran will provide <b>CSS &amp; VISUAL IMPACTS</b> services for this contract. |                                                       |                                                    |                                                                                    |           |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |                                                    |                                                                                    |           |
| <b>08/24 - Ongoing</b>                                   | <b>VENETIAN CAUSEWAY (BRIDGE) IMPROVEMENTS   Miami-Dade County, FL</b><br><b>Design and Landscape Discipline Lead.</b> Led the landscape redesign and enhancement of twelve bridges and adjacent spoil islands, performing field data validation and vegetation analysis. Developed concept plans and strategies for tree and palm relocation and preservation, balancing environmental sustainability with Florida DOT safety and utility requirements. Coordinated landscape and hardscape elements with municipalities and stakeholders to integrate streetscape features and preserve community frontages, and prepared detailed construction documents for planting, irrigation remediation, and vegetation relocation.                                                                                                                      |                                                       |                                                    |                                                                                    |           |
| <b>03/24 - Ongoing</b>                                   | <b>CITY OF HALLANDALE BEACH DESIGN OF GOLDEN ISLES SAFE NEIGHBORHOOD DISTRICT (GISND) VISION PLAN   Hallandale Beach, FL</b><br><b>Design and Landscape Discipline Lead.</b> Collaborated with GISND board, community members, and city representatives to improve pedestrian and bicycle safety, reconfigure parking to reduce collisions, and enhance streetscape, bridge, and community aesthetics. Identified opportunities for the community trail system, public gathering spaces and resiliency improvements within the neighborhood.                                                                                                                                                                                                                                                                                                      |                                                       |                                                    |                                                                                    |           |
| <b>04/15 - Ongoing</b>                                   | <b>SR 869 SAWGRASS EXPRESSWAY IMPROVEMENTS   Broward County, FL</b><br><b>Design and Landscape Discipline Lead.</b> Coordinated field data collection and validation within rights-of-way, ensuring accuracy and compliance with project requirements. Developed landscape opportunity plans (LOP), along with tree and palm relocation and preservation plans, supporting environmentally responsible design. Collaborated closely with local municipalities to coordinate street interchanges and harmonize aesthetic design, ensuring infrastructure projects aligned with community character and planning goals.                                                                                                                                                                                                                             |                                                       |                                                    |                                                                                    |           |
| <b>09/14 - 09/15</b>                                     | <b>HISTORIC DOWNTOWN/OLD 41 IMPROVEMENTS   Bonita Springs, FL</b><br><b>Landscape Design Lead.</b> Led the design for the \$16M, 500-acre US-41 improvement project, including Felts Street and adjacent connecting streets. Conducted public engagement workshops to incorporate the needs of residents and business owners into the design of roadway, bridge, sidewalk, streetscape, and drainage improvements. Produced all conceptual streetscape components, including vehicle travel lanes, on- and off-street parking, bicycle and pedestrian facilities, and coordinated detailed design of hardscape elements, furnishings, and site materials and finishes.                                                                                                                                                                            |                                                       |                                                    |                                                                                    |           |
| <b>06/24 - Ongoing</b>                                   | <b>I-49 ICC CONTEXT SENSITIVE SOLUTIONS   Shreveport, LA</b><br><b>Design and CSS.</b> Directed context-sensitive design for the I-49 Inner City Connector CSS, shaping roadway, pedestrian, bicycle, and transit facilities alongside integrated green spaces and trails. Collaborated with community leaders, stakeholders, historians, religious leaders, and local agencies to inform site-sensitive solutions addressing noise, traffic, historic preservation, and environmental impacts. Developed design strategies that enhanced streetscape aesthetics, reinforced community connectivity, promote sustainable mobility, improve public health, and strengthen neighborhood identities.                                                                                                                                                 |                                                       |                                                    |                                                                                    |           |
| <b>06/20 - Ongoing</b>                                   | <b>DESIGN OF NW 59TH AVENUE EXTENSION BRIDGE OVER THE C-8 CANAL   Miami Lakes, FL</b><br><b>Design and Landscape Discipline Lead.</b> Stantec is providing roadway and bridge design. Led the landscape, hardscape, lighting, and streetscape features along with project management assistance for concept design and production of detailed landscape planting construction documents. Coordinated the field data validation and landscape information collection, pedestrian connections and pocket park opportunity plans, and local street interface coordination with the adjacent Miami-Opa Locka Executive Airport Runway Glide zones.                                                                                                                                                                                                    |                                                       |                                                    |                                                                                    |           |

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|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Stantec Consulting Services Inc.</b>                 |                                                    |  |           |
| NAME                                                     | <b>Josh Cheek, PLA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                     | <b>7</b>  |
| TITLE                                                    | <b>Senior Landscape Architect</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                     | <b>19</b> |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>BLA   2000   Landscape Architecture</b>              |                                                    |                                                                                     |           |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Landscape Architect 2007013275   MO   12/31/2027</b> |                                                    |                                                                                     |           |
| YEAR REGISTERED                                          | <b>2007</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DISCIPLINE                                              | <b>Landscape Architecture</b>                      |                                                                                     |           |
| Contract role(s) / brief description of responsibilities | Josh is a Senior Landscape Architect in the Community Development practice, bringing more than two decades of experience across a wide range of project types in the United States and internationally. He applies a thoughtful, design driven approach to shaping both natural and built environments, rooted in collaboration and a clear understanding of client goals to help realize each site's full potential. Josh will provide <b>CSS &amp; VISUAL IMPACTS</b> services for this contract.                                                                                                                    |                                                         |                                                    |                                                                                     |           |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                |                                                         |                                                    |                                                                                     |           |
| <b>02/25 - 02/26</b>                                     | <b>BERTRAND STREETSCAPE CORRIDOR   Lafayette, LA</b><br><b>Senior Landscape Architect.</b> Designed hardscape, planting, lighting and vertical identity elements. The interpretive overlook is designed to foster a deeper understanding of the Trail of Tears and its connection to Fort Smith. Through the thoughtful use of culturally significant symbols and materials, the design reinforces the site's importance while honoring the stories and experiences it represents.                                                                                                                                     |                                                         |                                                    |                                                                                     |           |
| <b>01/24 - 12/25</b>                                     | <b>HISTORIC NORTHEAST DISTRICT   Kansas City, MO</b><br><b>Senior Landscape Architect.</b> Designed hardscape, planting, site features and pedestrian amenities. The project re-imagines a historic tower, adjacent structures, and the broader campus as a civic core for the Historic Northeast community in Kansas City. Interconnected gathering and celebration spaces are woven between the industrial buildings, supporting a mix of amenities envisioned through adaptive reuse.                                                                                                                               |                                                         |                                                    |                                                                                     |           |
| <b>09/24 - 09/25</b>                                     | <b>TRAIL OF TEARS INTERPRETIVE OVERLOOK   Fort Smith, AR</b><br><b>Senior Landscape Architect.</b> Designed hardscape, planting, interpretive sculptural elements and education signage. The interpretive overlook is designed to foster a deeper understanding of the Trail of Tears and its connection to Fort Smith. Through the thoughtful use of culturally significant symbols and materials, the design reinforces the site's importance while honoring the stories and experiences it represents.                                                                                                              |                                                         |                                                    |                                                                                     |           |
| <b>02/22 - 10/24</b>                                     | <b>I-49 CONNECTOR   Lafayette, LA</b><br><b>Senior Landscape Architect.</b> The CSS process set the attributes of 55 CSS design elements to be incorporated into the project, including parks, plazas, landscaping, hardscaping, stormwater mitigation and bridge aesthetic treatments. The CSS process concluded with a Design Guidelines document to direct the design and construction of the project.                                                                                                                                                                                                              |                                                         |                                                    |                                                                                     |           |
| <b>02/21 - 11/21</b>                                     | <b>RIVER FRONT PARK MASTER PLAN   Edwardsville, KS</b><br><b>Senior Landscape Architect.</b> Completed master plan design of a community park that focuses on the natural amenities of the site, connects a variety of small, meaningful spaces and delivers a narrative through placemaking elements that respect and celebrate the city and river.                                                                                                                                                                                                                                                                   |                                                         |                                                    |                                                                                     |           |
| <b>10/20 - 08/21</b>                                     | <b>VALLEY OF CHAMPIONS MASTER PLAN   Shawnee, KS</b><br><b>Senior Landscape Architect.</b> Designed the master plan for the area emphasized the interconnection between pedestrian, bike, and kayak activities to create a series of loop experiences that allowed for full site discovery. The plan interlaced floodplain areas with multi-use trails, single track courses, and a series of obstacle skill structures to allow users of all abilities to choose their own adventures.                                                                                                                                |                                                         |                                                    |                                                                                     |           |
| <b>09/19 - 12/20</b>                                     | <b>RIVER SOUTH INNOVATION DISTRICT   Topeka, KS</b><br><b>Senior Landscape Architect.</b> Designed a framework plan for the neighborhood, which identified opportunities for infill redevelopment and public realm improvements. The proposed plan for the River South innovation District places emphasis on the redevelopment of properties owned by the City and on reinvestment into pedestrian corridors and public open spaces. Within the central areas of this neighborhood, existing buildings and businesses should remain and potential opportunities for infill new construction could also be considered. |                                                         |                                                    |                                                                                     |           |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Stantec Consulting Services Inc.                             |             |  |
| NAME                                                     | Dana Taggart, RPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                  | 3           |                                                                                    |
| TITLE                                                    | Archaeologist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)           | 10          |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MA   2020   Applied Anthropology // BA   2005   Anthropology |             |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Registered Professional Archaeologist #5773   National   N/A |             |                                                                                    |
| YEAR REGISTERED                                          | 2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DISCIPLINE                                                   | Archaeology |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Dana has a diverse array of professional experience, ranging from archaeological surveys and laboratory work performed in Humboldt County, California; excavations and data recovery, historic and prehistoric artifact analysis, curation, tribal consultation, and archaeological research in the states of Alabama, California, Louisiana, and Texas, as well as in the country of Belize; to historic preservation and research in Rome, Italy. Dana's previous assignments have involved projects at Vandenberg Space Force Base (VSFB) in Santa Barbara County, California, as field supervisor and crew lead for Section 106 and Section 110 studies for several launch sites; archaeological investigations in support of infrastructure improvements with the Union Pacific Railroad, CSX, and Amtrak; a multi-year faunal analysis &amp; cataloguing project in support of remediating a historic military collection; multiple remains recovery projects for the Humboldt County Sheriff's Department; CEQA compliance research and fieldwork for the Montecito Fire Department and several cities and counties in California; and extensive surveying, data recovery, and curation projects in and around the state of Louisiana for both private and public entities, including LADOTD, NOAA, and the GSA. Dana has taken the course on <b>Section 106 of the National Historic Preservation Act offered by the Advisory Council (2008)</b>. She will provide <b>SECTION 106 COMPLIANCE</b> services for this contract. <b>Dana meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 10</b></p> |                                                              |             |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              |             |                                                                                    |
| 03/23 - 10/23                                            | <b>LA 604 PHASE I ARCHAEOLOGICAL AND ABOVE-GROUND HISTORIC RESOURCES INVESTIGATION   LADOTD   Tensas Parish, LA</b><br><b>Lead Archaeologist.</b> Stantec conducted a cultural resources survey for the proposed improvements to Louisiana State Highway 604, including realigning the roadway as part of a larger USACE project to expand the levee that LA 604 currently parallels. As the project required authorization from the USACE, the project was subject to compliance with Section 106 of the National Historic Preservation Act. Stantec archeologists coordinated with the LADOTD and USACE (Vicksburg District) to establish the APE and conducted a phase I archaeological survey and an above-ground historic resources survey to evaluate resources in the area of potential effects (APE) for National Register of Historic Places (NRHP) eligibility and identify adverse effects of the proposed project to eligible properties in fulfillment of USACE's responsibilities under Section 106. Dana was lead archaeologist on the project, which was conducted in compliance with the LA SHPO's survey standards. A total of 152 shovel tests were excavated within the ~33-acre (2.3 linear miles) project area. All shovel tests were negative for either historic or prehistoric cultural artifacts, and no cultural artifacts were observed on the surface within the Project Area.                                                                                                                                                                                                                                             |                                                              |             |                                                                                    |
| 04/24 - 01/25                                            | <b>I-20 AND TARBUTTON ROAD INTERCHANGE   LADOTD   Ruston, LA</b><br><b>Archaeologist.</b> Coordination of Cultural Resources investigation and analysis (archaeology and above-ground resources). Led archaeological investigation, wrote report collaboratively with historians for submittal to LADOTD and the City of Ruston.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                              |             |                                                                                    |
| 06/23 - 10/25                                            | <b>LA 87 PROJECT   Jeanerette, LA</b><br><b>Archaeologist.</b> Cultural resources evaluation of APE for a road widening project; archaeological monitoring of construction activities; authored report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              |             |                                                                                    |
| 09/25 - Ongoing                                          | <b>AMTRAK PTC NOLA SYSTEM INSTRUMENT HOUSE REPLACEMENT   New Orleans, LA</b><br><b>Cultural Resources Lead.</b> Led cultural resources investigation, analyzed data; artifact analysis; authored reports; conducted, coordinated, and supervised both archaeological and bioarchaeological monitoring for construction-related ground disturbance in New Orleans and Mobile.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |             |                                                                                    |
| 10/23 - Ongoing                                          | <b>AMTRAK GULF COAST PASSENGER RAIL RESTORATION – EARLY ACTION PROJECTS   Mobile, AL and New Orleans, LA</b><br><b>Cultural Resources Lead.</b> Led cultural resources investigation, analyzed data; artifact analysis; authored reports; conducted, coordinated, and supervised both archaeological and bioarchaeological monitoring for construction-related ground disturbance in New Orleans and Mobile.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |             |                                                                                    |
| 02/25 - 08/25                                            | <b>CHEVRON NEW ENERGIES PASCAGOULA WELL PAD PROJECT   Pascagoula, MS</b><br><b>Cultural Resources Task Lead</b> for a Section 106 compliance project involving project planning, analysis, survey, and a multi-disciplinary report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                              |             |                                                                                    |



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| 07/23 - 08/24 | <b>RACCOON ISLAND RESTORATION PROJECT   US Gulf</b><br>Principal Investigator re. Archaeology and Cultural Resources for coastal restoration project; led archaeological investigation; authored report.                                                                                                                                                                                                                                                                                                                                                                                         |
| 08/23 - 01/24 | <b>FM 1138 SECTION 106 INVESTIGATION FOR TXDOT   Dallas, TX</b><br>Principal Investigator for archaeological investigations for the Texas Department of Transportation.                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 06/23 - 09/23 | <b>LOCKWOOD DRIVE SECTION 106 INVESTIGATION FOR TXDOT   Houston, TX</b><br>Principal Investigator for archaeological investigations for the Texas Department of Transportation.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 07/22 - 10/22 | <b>MONTECITO VEGETATION MANAGEMENT PROGRAM FOR THE MONTECITO FIRE PROTECTION DISTRICT   Montecito, CA</b><br>Principal Investigator. This Section 106 and CEQA-compliance project consisted of an intensive-level survey and cultural resources assessment for a mixed-treatment program for the Montecito Fire Department, which involved an extensive survey, writing tasks drafting DPRs, AB-52 letters, and a final report.                                                                                                                                                                  |
| 06/22 - 10/22 | <b>STRAUSS WIND ENERGY PROJECT   Lompoc, CA</b><br>Principal Investigator. This Section 106 and CEQA-compliance project consisted of extensive research, survey, and ongoing monitoring during the construction of a wind farm within a sensitive site containing cultural, archaeological, and paleontological resources.                                                                                                                                                                                                                                                                       |
| 06/22 - 08/22 | <b>HUENEME TEMPORARY VEHICLE STORAGE PROJECT   Oxnard, CA</b><br>Principal Investigator. This was a cultural resources assessment conducted for the purpose of an Environmental Impact Report (EIR) and Section 106 compliance for the City of Oxnard, consisting of both a pedestrian survey and the excavation of shovel test units, as well as a final report.                                                                                                                                                                                                                                |
| 04/22 - 07/22 | <b>CONCHA LOMA DATA RECOVERY PROJECT   Santa Barbara, CA</b><br>Principal Investigator. Phase II data recovery, including test-unit excavations, mapping, and artifact analysis of a sensitive cultural site in Carpinteria. Conducted for Section 106 and CEQA compliance for Santa Barbara County.                                                                                                                                                                                                                                                                                             |
| 01/22 - 07/22 | <b>PHASE II DATA RECOVERY, INCLUDING TEST-UNIT EXCAVATIONS, MAPPING, AND ARTIFACT ANALYSIS OF A SENSITIVE CULTURAL SITE IN CARPINTERIA. CONDUCTED FOR SECTION 106 AND CEQA COMPLIANCE FOR SANTA BARBARA COUNTY   Santa Barbara, CA</b><br>Field Supervisor for this Section 106 and 110 compliance project conducted under contract with Oneida Total Integrated Enterprises and regulated by VSFB.                                                                                                                                                                                              |
| 10/21 - 04/22 | <b>PHASE 2 ARCHAEOLOGICAL INVESTIGATIONS IN SUPPORT OF PROPOSED REPLACEMENT OF THE UNION PACIFIC RAILROAD TRESTLE AT HONDA CANYON, VANDENBERG SPACE FORCE BASE   Santa Barbara, CA</b><br>Principal Investigator. Phase 1 and 2 data recovery and documentation for Section 106 and 110 compliance conducted for Althouse & Meade and the Union Pacific Railroad, overseen by VSFB.                                                                                                                                                                                                              |
| 06/21 - 12/21 | <b>SECTION 106/110 STUDIES FOR NINE SMALL VEHICLE LAUNCH SITES AT VANDENBERG SPACE FORCE BASE   Santa Barbara, CA</b><br>Archaeologist for a large-scale testing project for the US Government. Testing work consisted of excavating shovel test pits and screening. Crew Lead for planning, surveys, excavations, and analysis.                                                                                                                                                                                                                                                                 |
| 04/21 - 06/21 | <b>PHASE 1 / EXTENDED PHASE 1 ARCHAEOLOGICAL INVESTIGATION FOR THE UC SANTA BARBARA FACILITIES MANAGEMENT HOUSING PROJECT   Santa Barbara, CA</b><br>Principal Investigator. Section 106 consultation and analysis of remains discovered during construction.                                                                                                                                                                                                                                                                                                                                    |
| 08/20 - 03/21 | <b>PHASE 2/PHASE 3 ARCHAEOLOGICAL STUDY AT MARTIN BEHRMAN CHARTER SCHOOL   New Orleans, LA</b><br>Archaeologist and Osteological Analyst for a Section 106 data-recovery project conducted for FEMA, located at Martin Behrman Charter School, the site of the first public school for children of color in the City of New Orleans. It involved Phase I, phase II, and phase III investigations, data analysis, and artifact analysis, research, and curation. Artifacts analyzed included diverse faunal remains, historic glass and ceramics, building materials, and other historic objects. |
| 09/19 - 10/19 | <b>HUMBOLDT COUNTY LOGGING CAMPS PROJECT   Humboldt County, CA</b><br>Principal Investigator. This Humboldt County Logging Camps Project.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 08/19 - 11/19 | <b>CA-DNO-248 ASSESSMENT PROJECT FOR THE TOLOWA DEE-NI' NATIO   Del Norte County, CA</b><br>Principal Investigator. This was a large-scale survey, artifact analysis, cataloging, mapping, and site impact assessment conducted for compliance with both CEQA and the NHPA.                                                                                                                                                                                                                                                                                                                      |

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| NAME                                                     | <b>Adrienne Campbell</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                  | <b>7</b>   |                                                                                    |
| TITLE                                                    | <b>Senior Architectural Historian</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                           | <b>17</b>  |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>MS   2004   Historic Preservation // BA   1997   Anthropology and Art</b> |            |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>N/A</b>                                                                   |            |                                                                                    |
| YEAR REGISTERED                                          | <b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DISCIPLINE                                                                   | <b>N/A</b> |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Adrienne is an Architectural Historian with decades of experience in property assessments, historic preservation, and related work, including research, documentation and regulatory compliance. Her expertise is as a Section 106 practitioner, with experience managing small to large and simple to complex projects that include survey, documentation, and evaluation of eligibility for the National Register of Historic Places and effects to historic properties. She also has expertise in Section 4(f) determinations; National Register nominations, historic bridge analysis and documentation, archival research; and historical context development. Adrienne has worked on a wide variety of projects in the United States, particularly in Texas, Louisiana, and other states in the American South and Midwest. A former transportation project reviewer at the Texas State Historic Preservation project, she has a strong understanding of the federal Section 106 regulations and their implementation. She meets the Secretary of the Interior's professional qualifications for Architectural Historian. Adrienne will provide <b>SECTION 106 COMPLIANCE</b> services for this contract. <b>Adrienne meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 11</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                              |            |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                              |            |                                                                                    |
| <b>02/23 - 10/23</b>                                     | <p><b>HISTORIC RESOURCES SURVEY FOR LOUISIANA STATE HIGHWAY (SH) 604   LADOTD   Tensas Parish, LA</b><br/> <b>Architectural Historian.</b> Stantec conducted a cultural resources survey for proposed improvements to Louisiana SH 604, including realigning the roadway as part of a larger USACE project to expand the levee that SH 604 currently parallels. As the project required authorization from USACE, it was subject to compliance with Section 106 of the National Historic Preservation Act. Stantec historians coordinated with LADOTD and USACE staff to establish the APE, prepared a research design with historic context, conducted field survey, and made recommendations regarding NRHP eligibility and effect. Stantec documented 47 above-ground historic resources on Louisiana Historic Resources Inventory forms. The project required evaluation of Lake Bruin State Park and a nearby mid-century neighborhood.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |            |                                                                                    |
| <b>02/24 - 11/24</b>                                     | <p><b>LINFIELD ROAD BIKE BRIDGE AND PEDESTRIAN IMPROVEMENTS   Criado for TxDOT   Dallas County, TX</b><br/> <b>Principal Investigator.</b> Historical resources survey for pedestrian bridge and roadway improvement project federally funded by FHWA through TxDOT and subject to compliance with Section 106 of the National Historic Preservation Act. In coordination with TxDOT, Stantec designed the survey to include a reconnaissance survey of 55 resources 45 years old or older at time of projected project letting in the Area of Potential Effect and a windshield survey of an adjacent, historically African American neighborhood that developed from a post-Civil War freedom colony. A full survey of the neighborhood was outside of the scope of the project, so the neighborhood was conservatively considered eligible for the National Register of Historic Places as a historic district. Stantec historians used the windshield survey to identify the characteristics that qualified the resources with the Area of Potential Effect as contributing resources to the historic district. Stantec recommended one additional resource eligible for the National Register of Historic Places and produced a historic resources report with a recommendation of no adverse effect to historic properties with a finding of de minimis for small clips of right-of-way from the district and contributing resources. Report recommendations noted in-depth evaluation of the neighborhood may be required in the future for projects with the potential to affect the neighborhood, to include consideration of appropriate period of significance, physical features that characterize the neighborhood, the neighborhood boundary, and historic integrity.</p> |                                                                              |            |                                                                                    |
| <b>02/23 - 05/24</b>                                     | <p><b>NE DOUGLAS STREET FROM SE 2ND STREET TO NE CHIPMAN ROAD   MO-DOT   Jackson County, MO</b><br/> <b>Senior Architectural Historian.</b> The City of Lee's Summit, Missouri proposed multi-modal transportation improvements along Northeast Douglas street, a main north-south thoroughfare lined with residential neighborhoods north of the city's downtown. Stantec was retained to conduct a historic resources survey for compliance with Section 106 of the National Historic Preservation Act. The APE comprised three properties previously determined eligible for listing in the NRHP and two NRHP-listed residential historic districts. As a result of the survey, Stantec personnel documented 118 residential, educational, commercial, and religious late nineteenth to mid-twentieth century resources and prepared a historic context documenting the historical development of the APE. The project required close coordination with engineering and SHPO personnel to avoid an adverse effect related to the removal of mature trees from the historic properties and districts. Once SHPO concurred with no adverse effect under Section 106, Stantec prepared documentation to support FHWA pursuing a de minimis 4(f) impact for permanent easements and documented that the conditions of a temporary occupancy would not result in a Section 4(f) use from temporary easements.</p>                                                                                                                                                                                                                                                                                                                                                                         |                                                                              |            |                                                                                    |



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| 01/22 - 06/23   | <p><b>HISTORIC RESOURCES SURVEY FOR US-290/SH 36 INTERCHANGE IMPROVEMENTS   Texas DOT   Washington County, TX</b><br/> <b>Senior Architectural Historian.</b> Stantec conducted a historic resources reconnaissance survey, intensive survey, and 4(f) evaluation for proposed improvements to this interchange in Brenham, Texas. The project was federally funded by FHWA through TxDOT and was subject to compliance with Section 106 of the National Historic Preservation Act. For the reconnaissance survey, Stantec historians prepared a research design, developed of a historical context, conducted field survey and documentation of 150 resources 45 years old or older within the project Area of Potential Effect, and evaluated adverse effects to identified historic resources. Due to the proposed displacement of a historic-age farmstead, TxDOT also requested an intensive survey of that property, which Stantec subsequently recommended not eligible for the National Register of Historic Places. As the project required removal of the Old Mill Creek Bridge, a historic bridge previously determined eligible for the National Register of Historic Places by TxDOT, Stantec also prepared a Programmatic Section 4(f) Evaluation for the bridge. As a result of project design changes, Stantec historians conducted additional reconnaissance survey and prepared an addendum report for TxDOT to coordinate with SHPO and resolve Section 106 consultation. Other than the adverse effect to the historic bridge for its removal, Stantec recommended a determination of no adverse effect to historic properties, with one de minimis finding for a historic resource where a small area of right-of-way was required from the property boundary. The project received a FONSI on 3/5/2024.</p>                                  |
| 01/25 - ongoing | <p><b>THIRTEEN BRIDGE REPLACEMENTS ARCHAEOLOGICAL AND ABOVEGROUND HISTORIC RESOURCES DESKTOP STUDY   LADOTD   Various Locations</b><br/> <b>Architectural Historian.</b> LADOTD retained Stantec to develop plans for replacing thirteen bridges under an IDIQ Bridge Preservation contract. LADOTD divided the work into seven projects, each requiring environmental technical reports for FHWA approval in compliance with NEPA and other applicable laws, including Section 106. Environmental compliance was required due to permitting by USACE under a Nationwide Permit. For each project, archaeologists and architectural historians conducted a desktop study and prepared a Section 106 Finding Packet presenting findings and recommendations. Each study evaluated a 1.6-kilometer (1-mile) area for previous surveys, known cemeteries, archaeological sites, and historic properties. In coordination with LADOTD cultural resources staff, two APEs were identified: one for direct archaeological effects and one for visual and indirect effects to above-ground resources. Stantec reviewed historic maps, aerial imagery, environmental setting data, soils, and prior bridge evaluations to assess archaeological potential, the presence of above-ground resources 45 years old or older, and areas of cultural sensitivity. Based on these studies, Stantec recommended a finding of no effect to historic properties for six projects, contingent upon construction remaining within existing rights-of-way. A Phase I cultural resources survey was recommended for one project, the LA 358 Bridge in St. Landry Parish. These recommendations will support LADOTD's Section 106 coordination with FHWA, USACE, and the Louisiana State Historic Preservation Office. Adrienne was the lead architectural historian for this effort.</p> |
| 03/24 - Ongoing | <p><b>I-20 @ TARBUTTON ROAD: PHASE I ARCHAEOLOGICAL AND ABOVEGROUND HISTORIC RESOURCES SURVEY   City of Ruston   Ruston, LA</b><br/> <b>Architectural Historian.</b> The City of Ruston contracted Stantec for a cultural resources survey for a proposed interchange and frontage road project. Due to federal funding from FHWA and permits required by the U.S. Army Corps of Engineers, the project was subject to Section 106 of the National Historic Preservation Act. Stantec conducted a Phase I archaeological and aboveground historic resources survey, which included background studies and pedestrian survey of the entire Area of Potential Effect. Led by Adrienne, Stantec historians documented 12 aboveground resources constructed in 1979 or earlier, 45 years prior to the survey date of 2024, on Louisiana Historic Resources Inventory forms. Stantec recommended all 12 aboveground resources ineligible for the National Register of Historic Places. Based on these results, Stantec recommended a determination of No Historic Properties Affected to LADOTD. A design change resulted in a revised Area of Potential Effect and additional survey was required. Pedestrian survey of the additional archaeological and aboveground resources and the excavation of eight shovel test pits identified no new archaeological deposits or aboveground resources constructed in 1980 or earlier, 45 years prior to survey date of 2025. Stantec documented the findings in an addendum report with a recommendation of No Historic Properties Affected. Adrienne was the lead architectural historian for this survey and report.</p>                                                                                                                                                                                                   |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Stantec Consulting Services Inc.                                                   |     |  |
| NAME                                                     | Emily Reed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                        | 11  |                                                                                    |
| TITLE                                                    | Principal, Senior Architectural Historian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                 | 8   |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MS   2010   Historic Preservation // BA   2006   History and Architectural History |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | N/A                                                                                |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DISCIPLINE                                                                         | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Emily is Stantec's Technical Leader for Architectural History in North America. She has 19 years' experience in property assessments, historic preservation, and related work, including research, documentation, and regulatory compliance. Her expertise includes surveying, assessing, and documenting historic properties and determining eligibility for the National Register of Historic Places in compliance with Section 106 and NEPA; Section 4(f) determinations; archival research; and historic context development. She meets the Secretary of the Interior's professional qualifications for Architectural Historian. She completed the National Preservation Institute's Section 4(f) Compliance for Historic Properties and is precertified by the Texas Department of Transportation for Historic Sites Sec. 4(f) Evaluations. Emily will provide <b>SECTION 4(F), 6(F) AND PUBLIC RECREATION</b> services for this contract.                                                                                                                                                                                                                                                                                                           |                                                                                    |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                    |     |                                                                                    |
| 09/22 - 11/23                                            | <b>I-30 EAST CORRIDOR, FROM IH-45 TO FERGUSON ROAD   TxDOT   Dallas County, TX</b><br><b>Architectural Historian.</b> TxDOT retained Stantec to prepare a revised Historic Resources Survey Report, update the Individual Section 4(f) Evaluation, support consulting party coordination, and contribute to development of a programmatic agreement, all within a compressed schedule. Used GIS to remap the APE based on current design files and to reconcile data from multiple prior efforts. In total, 563 resources were documented, and an updated historic context was prepared addressing transportation, industrial development, neighborhood growth, and twentieth century urban change. Survey work and the Section 4(f) evaluation proceeded in parallel, requiring frequent coordination. Stantec provided interim updates, field debriefs, and regular coordination meetings, updating Section 4(f) findings as eligibility determinations were reached and supporting TxDOT in documenting avoidance alternatives, de minimis findings, and the programmatic agreement.                                                                                                                                                                   |                                                                                    |     |                                                                                    |
| 10/15 - 09/17                                            | <b>HISTORIC RESOURCES RECONNAISSANCE SURVEY FOR AUSTIN AVENUE IMPROVEMENTS PROJECT (3RD STREET TO MORROW STREET)   TxDOT Austin District and the City of Georgetown   Williamson County, TX</b><br><b>Co-Principal Investigator.</b> Served as co-Principal Investigator for Historic Resources Reconnaissance Survey and Section 106 coordination for a project proposing to replace the NRHP-eligible bridges over the north and south forks of the San Gabriel River. Developed historic context, prepared research design, conducted field survey, prepared historic documentation, made recommendations regarding NRHP eligibility, and evaluated adverse effects. Advised team on Section 4(f) process and guided discussion with engineers to design a feasible and prudent rehabilitation solution that avoided adverse effects to the eligible bridges.                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                    |     |                                                                                    |
| 03/17 - 01/18                                            | <b>SAN ANTONIO STREET BRIDGE OVER COMAL RIVER SECTION 4(F) EVALUATION AND HISTORIC RESOURCES SURVEY   TxDOT   Comal County, TX</b><br><b>Project Manager.</b> Conducted a reconnaissance survey for properties within the APE of the project proposing the replace the 1923 San Antonio Street Bridge over the Comal River, a 7-span, open-spandrel concrete arch bridge resting on concrete piers and abutments with cantilevered sidewalks. The bridge was determined eligible for NRHP listing under Criterion C as a good representative example of a small number of open spandrel concrete arch bridges in Texas. The reconnaissance survey of the APE documented 16 other historic-age resources, including the 1882 Clemens Dam, the H. Dittlinger Roller Mills complex (which served in an important role in the city's agricultural manufacturing history) and a USGS gaging station on the Comal River. Prepared documentation for Section 4(f) Programmatic Evaluation of Historic Bridge Projects for the proposed bridge replacement; the analysis evaluated feasibility and prudence of conversion to a one-way pair, leaving the bridge in place as a monument, rehabilitation options for vehicular and pedestrian use, and replacement. |                                                                                    |     |                                                                                    |
| 03/20 - 07/20                                            | <b>PROGRAMMATIC SECTION 4(F) DOCUMENTATION FOR CR 136 AT DINNER BRANCH DRAW   TxDOT ENV HIST   Eastland County, TX</b><br><b>Principal Investigator.</b> Served as Principal Investigator for preparation of TxDOT Programmatic Section 4(f) Documentation for a 1937 bridge constructed by the Works Progress Administration with masonry abutments. Conducted analysis, coordinated with TxDOT District, Bridge Team, and ENV, and prepared all required documentation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                    |     |                                                                                    |

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| 09/21 - 07/25   | <b>PROGRAMMATIC SECTION 4(F) EVALUATION OF HISTORIC BRIDGE FOR US 79 AT BRAZOS RIVER   TxDOT   Robertson County, TX</b><br><b>Architectural Historian.</b> Prepared a Section 4(f) Programmatic Evaluation of Historic Bridge for the US 79 at Brazos River Bridge Replacement Project in Robertson County, Texas. The Texas Department of Transportation (TxDOT) proposed to replace the existing bridge at an offset location in order to provide a safer and more functional crossing of the Brazos River. The project involved a Section 4(f) use of the existing bridge, which was eligible for the National Register of Historic Places under Criterion C for its exceptionally long main span. Prepared the Programmatic Section 4(f) Evaluation, analyzed project alternatives and thoroughly documented all aspects of previous engineering assessments and decisions. Coordinated closely with TxDOT and the project engineers throughout and determined that all avoidance alternatives were neither feasible nor prudent.                                                                                                                                                                                                                                                                                         |
| 05/17 - 11/22   | <b>RECONNAISSANCE AND INTENSIVE HISTORIC RESOURCES SURVEY OF US 79 FROM IH-35 TO EAST OF FM 1460   LAN   Williamson County, TX</b><br><b>Principal Investigator.</b> Principal Investigator for reconnaissance survey of 64 resources and Section 106 evaluation. Project also included an intensive survey of 3 properties: the Merrell House, a NRHP listed property; a 1950s children's home; and a 1950s residential estate. Intensive level research included deed research, oral history interviews, architect research, and a comparative analysis of children's homes across the state. Recommended new NRHP boundary for Merrell House and recommended the children's home and estate eligible for the NRHP. Evaluated potential adverse effects to the properties recommended eligible. Assessed use under Section 4(f) and developed documentation in support of de minimis Section 4(f) finding.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 02/23 - 10/23   | <b>HISTORIC RESOURCES SURVEY FOR LOUISIANA STATE HIGHWAY 604   LADOTD   Tenas Paris, LA</b><br><b>Principal Investigator.</b> Through Stantec's on-call contract with LADOTD, Stantec conducted a cultural resources survey for proposed improvements to Louisiana State Highway (LA) 604, including realigning the roadway as part of a larger USACE project to expand the levee that LA 604 currently parallels. As the project required authorization from USACE, it was subject to compliance with Section 106 of the National Historic Preservation Act. Stantec historians coordinated with LADOTD and USACE staff to establish the APE, prepared a research design with historic context, conducted field survey, and made recommendations regarding NRHP eligibility and effect. Stantec documented 47 above-ground historic resources on Louisiana Historic Resources Inventory forms. The project required evaluation of Lake Bruin State Park, established in 1956, and a nearby mid-century neighborhood.                                                                                                                                                                                                                                                                                                         |
| 09/18 - 01/20   | <b>RECONNAISSANCE &amp; INTENSIVE HISTORIC RESOURCES SURVEY OF US 79 FROM IH-35 TO EAST OF FM 1460 IN ROUND ROCK   Williamson County, TX</b><br><b>Principal Investigator.</b> Principal Investigator for TxDOT reconnaissance survey of 64 resources and Section 106 evaluation. Project also included an intensive survey of 3 properties. Prepared research design and conducted fieldwork and research. Intensive work included deed research, oral history interviews, architect research, and a comparative analysis of children's homes across the state. Recommended revised NRHP boundary for NRHP-listed resource and recommended another property eligible for the NRHP. Applied criteria of adverse effect to historic properties for compliance with Section 106. Assessed use under Section 4(f) and developed documentation in support of de minimis Section 4(f) finding. TxDOT and SHPO concurred with findings.                                                                                                                                                                                                                                                                                                                                                                                             |
| 04/23 - Ongoing | <b>CULTURAL RESOURCES OVERSIGHT ASSISTANCE FOR LOCAL PUBLIC AGENCY PROJECTS   Missouri DOT   Statewide, MO</b><br><b>Principal Investigator.</b> Assists the Missouri Department of Transportation (MoDOT) with cultural resources reviews for projects sponsored by Local Public Agencies (LPAs) receiving funding from MoDOT. Serves as an extension of MoDOT staff and provide advisory and oversight review of materials submitted by LPAs for compliance with Section 106 of the National Historic Preservation Act and Section 4(f) of the DOT Act. Reviews project plans to determine whether various programmatic agreements apply to the project and then makes determinations regarding any required cultural resources investigations. Assists LPAs in defining an area of potential effects and evaluate recommendations regarding eligibility and effect. Provides National Register of Historic Places eligibility evaluations for all bridges that may be affected by proposed projects. Attends a monthly call with the Missouri SHPO to receive project and program updates.                                                                                                                                                                                                                                 |
| 11/17 - 04/23   | <b>DIVISION OF ST. JOHN NRHP UPDATE   Covington, St. Tammany Parish, LA</b><br><b>Principal Investigator.</b> Comprehensive and up-to-date inventory of properties within the Division of St. John NRHP District. Re-surveyed resources documented in the original NRHP nomination and document resources that had reached historic-age since the 1982 listing. Also included a windshield survey of surrounding neighborhoods to identify potential district expansion areas and identify and document select properties with potential historical significance. In total, 300 resources were documented on our tablet-based data collection system that incorporated information from the NRHP nomination and a previous survey. Deliverables included the historic context, recommendations for an NRHP boundary change, identification of contributing and noncontributing resources within the existing NRHP district, results of the windshield survey, and eligibility recommendations for the surround area. Following the survey, the City retained Stantec to prepare an update to the NRHP nomination. The nomination establishes periods of significance, revises the areas and level of significance, decreases the boundary, and reevaluates the properties in the district. It was listed in the NRHP in 2023. |
| 03/20 - 07/20   | <b>PROGRAMMATIC SECTION 4(F) DOCUMENTATION FOR CR 136 AT DINNER BRANCH DRAW   Texas DOT   Eastland County, TX</b><br><b>Principal Investigator.</b> Served as Principal Investigator for preparation of TxDOT Programmatic Section 4(f) Documentation for a 1937 bridge constructed by the Works Progress Administration with masonry abutments. Conducted analysis, coordinated with TxDOT District, Bridge Team, and ENV, and prepared all required documentation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Stantec Consulting Services Inc.                                                                    |                            |  |
| NAME                                                     | Matthew "Matt" Kaller, CESCO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                         | 13                         |                                                                                    |
| TITLE                                                    | Associate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                                  | 8                          |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MS   2003   Biological Sciences // BS   2000   Biology                                              |                            |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Certified Environmental and Safety Compliance Officer No. 16946030676240812   National   10/27/2028 |                            |                                                                                    |
| YEAR REGISTERED                                          | 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DISCIPLINE                                                                                          | Environmental Professional |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Matt has 22 years of experience managing, conducting, and reporting on, soil and ground water remediation, underground storage tank (UST) removal and closure, merger and acquisition, site investigation, waste reporting and planning. He has done field surveys and air quality projects for large industrial clients in multiple states, Canada, Russia, Kazakhstan, Peru, Brazil, Mexico, Belgium, The Netherlands, and South Africa. Matt has managed and reported on site assessments, asbestos and lead paint assessment, asbestos abatement, storm water systems, risk management planning, and waste sampling for federal and municipal entities. Waste planning experiences include work on a multi-state oil/waste management plan, updates to regional waste management plans, and the development of a handbook for waste management planning globally. Matt has managed numerous Phase I Environmental Site Assessments (ESAs), Phase II ESAs, use-restriction, ground water monitoring, and risk-assessment, litigation support, and insurance claim-related cause and origin projects. Matt will provide <b>HAZARDOUS SITES AND RISKS</b> services for this contract. <b>Matt meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 7</b></p>  |                                                                                                     |                            |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                     |                            |                                                                                    |
| 04/24 - Ongoing                                          | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA) AND RISK ASSESSMENT AND CORRECTIVE PROGRAM (RECAP) REPORTING   Baton Rouge, LA Lead Assessor.</b> Conducted and reported on several Phase I ESAs for the City of Baton Rouge/Parish of East Baton Rouge to support their Brownfield grant program. Drafted and submitted a RECAP Management Option-1 (MO-1) Report to the Louisiana Department of Environmental Quality (LDEQ) to facilitate the redevelopment of a vacant property. In addition, provided scopes of work and proposed cost for the City to further investigate properties.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                     |                            |                                                                                    |
| 8/24 - 02/25                                             | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Ruston, LA Lead Assessor.</b> Conducted and reported on a Phase I ESA in Ruston, Louisiana. The Phase I ESA was performed in general accordance with the American International (ASTM) Designations: E 1527-21 ("Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process"), in an effort to identify recognized environmental conditions (RECs). During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                     |                            |                                                                                    |
| 02/24 - 05/25                                            | <b>PHASES I/II ENVIRONMENTAL SITE ASSESSMENT (ESA)   Orange, TX Lead Assessor and Project Manager.</b> Conducted and reported on a Phase I ESA and proposed on, managed, and reported on a Phase II ESA, at the same location.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                     |                            |                                                                                    |
| 01/24                                                    | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Brown County, TX Reviewer.</b> Conducted a quality review of a Phase I ESA report conducted in Brown County, Texas. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     |                            |                                                                                    |
| 10/23 - 12/23                                            | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Baton Rouge, LA Lead Assessor.</b> Conducted and reported on a Phase I ESA in Baton Rouge, Louisiana. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                     |                            |                                                                                    |
| 09/23                                                    | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Pearl, MS Lead Assessor.</b> Conducted and reported on a Phase I ESA in Pearl, Mississippi. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                     |                            |                                                                                    |

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| 06/23 - 08/23 | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Ruston, LA</b><br><b>Lead Assessor.</b> Reported on a Phase I ESA in Ruston, Louisiana. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                                                                             |
| 05/23         | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Geismar, LA</b><br><b>Lead Assessor.</b> Proposed on and were awarded a set of five Phase I ESAs in Geismar, Louisiana for a multi-national manufacturing client. The Phase I ESAs were performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting. |
| 01/23 - 05/23 | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Houma, LA</b><br><b>Lead Assessor.</b> Conducted and reported on a Phase I ESA in Houma, Louisiana. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                                                                 |
| 11/22         | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Anchorage, AK</b><br><b>Reviewer.</b> Conducted a quality review of a Phase I ESA report conducted in Anchorage, Alaska. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                                            |
| 09/22 - 10/22 | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Chambers, Matagorda, and Hidalgo, TX</b><br><b>Lead Assessor.</b> Conducted and reported on Phase I ESAs in Chambers, Matagorda, and Hidalgo, Texas. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                |
| 06/22 - 08/22 | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Ozark, AL</b><br><b>Lead Assessor.</b> Conducted and reported on a Phase I ESA in Ozark, Alabama. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                                                                   |
| 03/22 - 05/22 | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Houma, LA</b><br><b>Lead Assessor.</b> Conducted and reported on a Phase I ESA in Houma, Louisiana for a multi-national manufacturing and oil and gas client. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.       |
| 04/21 - 07/21 | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Tulsa, OK</b><br><b>Lead Assessor.</b> Conducted and reported on a Phase I ESA in Tulsa, Oklahoma for a multi-national manufacturing client. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                        |
| 02/21 - 04/21 | <b>PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)   Chickasaw, AL</b><br><b>Lead Assessor.</b> Conducted and reported on a Phase I ESA in Chickasaw, Alabama. The Phase I ESA was performed in general accordance with the ASTM Designations: E 1527-21 in an effort to identify RECs. During the Phase I ESA, Stantec reviewed information regarding the facility and surrounding properties, in off-site environmental records and databases, and performed a visual observation of the property (principally the Subject Property and nearby offsite facilities). The scope of work consisted of a site visit (including interviews with knowledgeable persons); records search/review; and reporting.                                                           |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Stantec Consulting Services Inc.                   |     |   |
| NAME                                                     | Mary Martin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 37  |                                                                                     |
| TITLE                                                    | Lead Noise Analyst                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 8   |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | N/A                                                |     |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | N/A                                                |     |                                                                                     |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DISCIPLINE                                         | N/A |                                                                                     |
| Contract role(s) / brief description of responsibilities | Mary has 45 years of transportation planning experience including 18 years as the primary technical analyst for Stantec for air quality and traffic noise studies. She is currently embedded on an as-needed basis with NCDOT's Traffic Noise & Air Quality Group. Mary has attended a range of air quality and noise analysis training, and has also used PAL 2.0. She has also assisted in the preparation of NEPA environmental documents including Environmental Impact Statements (EIS), Environmental Assessments (EA), and Categorical Exclusions (CE). Mary will provide <b>NOISE EFFECTS</b> services for this contract. <b>Mary meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 5</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |     |  |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |     |                                                                                     |
| 01/23 - Ongoing                                          | <b>I-40/SR 2500 (BLUE RIDGE ROAD) IMPROVEMENTS   NCDOT   Black Mountain, NC</b><br><b>Project Lead.</b> Responsible for a Traffic Noise Report for the proposed improvements at I-40 and SR 2500 (Blue Ridge Road). NCDOT proposes converting the existing I-40 and Blue Ridge Road (SR 2500) grade separation to an interchange, replacing the Blue Ridge Road bridge over the Swannanoa River, and widening Blue Ridge Road to three lanes in the vicinity of the interchange. The proposed project would also construct a roundabout at the intersection of Blue Ridge Road and NC 9. The project is in Black Mountain, in Buncombe County, NC. Design Year 2040 Build condition traffic noise is predicted to impact 38 noise-sensitive receptors near the project for the Build Alternative. Consideration for noise abatement measures was given to all impacted receptors. No traffic noise abatement measures met NCDOT Policy feasibility and reasonableness criteria. The Traffic Noise Report is currently under review.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |     |                                                                                     |
| 09/22 - Ongoing                                          | <b>IMPROVEMENTS TO THE I-485/I-85 INTERCHANGE IN WEST CHARLOTTE   NCDOT   Mecklenburg County, NC</b><br><b>Project Lead.</b> Responsible for a Traffic Noise Report for the proposed I-485/I-85 interchange improvements in West Charlotte, NC. The interchange currently experiences high levels of congestion and poor operations. Improvements include widening the existing I-485 ramp and bridge over the off-ramp to Sam Wilson Road, construction of a new collector-distributor road parallel to I-85 southbound that passes under Sam Wilson Road via a new grade separation bridge to be constructed between the existing I-85 grade separation bridge and existing interchange ramps, the relocation of Sam Wilson Road to the I-85 southbound on-ramp that will tie into the collector/distributor road and widening along I-85 southbound as necessary for merging/traffic operations. The construction limits will be approximately 1.7 miles. The project work plan and validation memo have been completed and approved by NCDOT. The project is currently ongoing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |     |                                                                                     |
| 07/22- Ongoing                                           | <b>LONG POINT ROAD INTERCHANGE IMPROVEMENTS   SCDOT   Mt. Pleasant, SC</b><br><b>Project Lead.</b> Responsible for a Detailed Traffic Noise Analysis. This project's purpose is to improve the operations of the I-526 mainline and its interchange at Long Point Road as well as reduce operational conflicts between port related and local traffic within the study area and provide access to homes, businesses, schools, parks, restaurants, commercial and industrial facilities along Long Point Road. The interchange provides access to South Carolina Ports Authority's (SCPA's) Wando Welch Terminal (WWT), which serves as a hub for the distribution of freight from the WWT throughout the southeast United States. The need for the project is demonstrated by the existing interchange deficiencies, growing automobile, and truck traffic on I-526 and Long Point Road, and population and economic growth. Design Year 2050 build condition traffic noise is predicted to impact 456 receptors, including 446 residences (NAC B), four (4) community swimming pools (NAC C), and 21 grid points along the Kearns Park trail that have an equivalent receptor value of six (6) (NAC C). Consideration for noise abatement measures was given to all impacted receptors. Traffic noise impacts are predicted to occur in 11 of the 16 identified Noise Study Areas (NSAs). Four noise walls have been recommended for construction. Stantec is in the process of preparing balloting packages for more than 750l receptors that would receive a benefit from the proposed walls. |                                                    |     |                                                                                     |

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| 09/20 - Ongoing | <b>PALMETTO COMMERCE PARKWAY PHASE 3 (PCP3)   CHARLESTON COUNTY, SC   North Charleston, SC</b><br><b>Project Lead.</b> Responsible for a Detailed Traffic Noise Analysis for the third and final part of a three-phased roadway project. The project is designed to provide improved traffic operations, better opportunities for bicycle and pedestrian use, and enhanced access to commercial and industrial lands in North Charleston. Phase 1 and 2 have already been constructed and included a 4-lane parkway with landscaped medians, a multiuse (walking and bicycle) path, traffic signals, and lighting. The first two phases provided a connection between Ladson Road and Ashley Phosphate Road. The PCP3 Project is proposed to continue the roadway south from Ashley Phosphate Road to Remount Road and will provide an alternative route to access I-26 and I-526. All three phases of the parkway and related improvements will result in more than 8 miles of new and improved roadway. The project work plan and validation memo have been completed and approved by Charleston County.                                                                                                                                                                                                                                             |
| 04/19 - Ongoing | <b>I-526 LOWCOUNTRY CORRIDOR WEST   SCDOT   Charleston, SC</b><br><b>Lead Noise Analyst.</b> Mary was the project lead for a Traffic Noise Analysis for the I-526 Lowcountry Corridor WEST (I-526 LCC WEST) project between Paul Cantrell Boulevard in West Ashley and Virginia Avenue in North Charleston. The proposed project includes improvements to 3.5 miles of I-26 and 9.2 miles of I-526, as well as the improvement of five interchanges along I-526 (Paul Cantrell Boulevard, I-26, Rivers Avenue, North Rhett Avenue, and Virginia Avenue). The Traffic Noise Analysis predicted impacts for 720 receptors under project design year build conditions. Noise abatement measures were evaluated for all impacted receptors, and six barrier designs were found to be feasible and reasonable per SCDOT noise policy criteria. These barriers were recommended for further consideration.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 03/20- 10/20    | <b>NOISE ANALYSIS TECHNICAL REPORT INDEPENDENT QUALITY CONTROL OF MARK CLARK EXPRESSWAY EXTENSION PROJECT   SCDOT   Charleston, SC</b><br><b>Lead Noise Reviewer (QA/QC).</b> Mary performed an independent review of this project noise analysis. The comprehensive review assessed the technical noise report, appendices, and supporting noise models to ensure compliance with all SCDOT and FHWA practices and reporting procedures. The Mark Clark Extension proposes construction of approximately 7 miles of new roadway from the existing endpoint of I-526 at U.S. 17 (Savannah Highway) to the James Island Connector at Folly Road. Located in Charleston County the project includes areas in West Ashley, Johns Island, and James Island. Alternatives reviewed included the no-build option and three build alternatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 06/20 - 06/21   | <b>BRISTOL NORTH-SOUTH CONNECTOR   TDOT   Sullivan County, TN</b><br><b>Project Lead.</b> Responsible for a Noise Technical Report for the proposed Bristol Connector from US-11E (SR-34) Near Bristol Motor Speedway to US-11W (SR-1) Near Pinnacle Parkway (IA). The limits of the study are the intersection of State Route 34 and Exide Drive to the south and the intersection of Highway 11W and Pinnacle Parkway (near Interstate 81 Exit 74). The recommended route will follow (from south to north) Exide Drive, Bethel Drive, Carden Hollow Road, State Route 126, and Walnut Hill Road. To meet the purpose and need of an improved Bristol North-South Connector, three (3) options were considered, varying in length up to 6.4 miles. The study determined that the project would create traffic noise impacts. A total of 23 properties are predicted to be impacted with Option B. A total of 27 properties are predicted to be impacted with Option C. All of the impacted land uses are residential (NAC B). Due to the absence of access control and high volume of driveways in the vicinity of these receptors, noise walls would not be a feasible option to provide abatement for these traffic noise impacts.                                                                                                                 |
| 05/20 - 12/20   | <b>LADY'S ISLAND CORRIDOR PLAN   Beaufort, SC</b><br><b>Lead Noise Analyst.</b> Stantec is providing the City of Beaufort with traffic engineering analysis and conceptual design for improving the three main corridors in the Lady's Island section of Beaufort – US 21 Business Sea Island Parkway, US 21 Lady's Island Drive, and SC 802 Sams Point Road. The corridor plan intends to improve traffic operations and safety, encourage active transportation modes, and enhance aesthetics while preserving the quality of life for area residents. The project includes public involvement meetings to incorporate public input. Total project length is 4 miles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 01/19 - 07/19   | <b>NC 417 HAMPSTEAD BYPASS (R-3300 A&amp;B) FROM FUTURE NC 140 TO US 17 NORTH OF HAMPSTEAD   Pender and New Hanover Counties, NC</b><br><b>Lead Noise Analyst.</b> A Design Noise Report was prepared for the proposed NC 417 Hampstead Bypass as a new location multilane freeway. Funding for this project is included in the Draft 2017-2027 State Transportation Improvement Program (STIP) as Project No. R-3300AB and is commonly referred to as the "Hampstead Bypass". The R-3300A section will extend from NC 140 (Wilmington Bypass) in New Hanover County to NC 210. The R-3300B section will extend from NC 210 to SR 1561 (Sloop Point Loop Road) in Pender County. The length of the project is approximately 13.9 miles. The Design Year 2040 build condition traffic noise is predicted to impact 53 receptors. Consideration for noise abatement measures was given to all impacted receptors. Two (2) traffic noise abatement measures assessed in the Design Noise Report met NCDOT Policy feasibility and reasonableness criteria. After completion of the project final design and the public involvement process, the two (2) noise walls are recommended for construction, and inclusion in the project plans and specifications. The parallel barriers are recommended to have absorptive material to reduce sound reflection. |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Stantec Consulting Services Inc.                                   |                        |  |
| NAME                                                     | Eric Clark, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                        | 13                     |                                                                                    |
| TITLE                                                    | Air Permitting and Compliance Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                 | 7                      |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MS   2010   Civil Engineering // BS   2003   Environmental Science |                        |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PE No. 15975   ID   05/31/2026                                     |                        |                                                                                    |
| YEAR REGISTERED                                          | 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DISCIPLINE                                                         | Environmental Engineer |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Eric has 20 years of experience in air quality projects some of which are transportation-based. He has extensive experience working in environmental engineering, with emphasis on air quality. At Stantec, Eric has prepared several air quality permit applications for clients in Idaho, Utah, Arizona, California, Nevada, Colorado and Wisconsin among others. He has completed PSD applicability and BACT analyses, emission inventories, NSPS applicability reviews, Title V applications, AERMOD modeling, MACT applicability analyses, Calpuff modeling, CalEEMod, and MOVES/MOBILE6 transportation emissions modeling. Eric has also contributed to the air quality sections of numerous NEPA projects throughout the western U.S including that include transportation impacts. Eric will provide <b>TRAFFIC &amp; CONSTRUCTION AIR QUALITY</b> services for this contract. <b>Eric meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 6</b></p>  |                                                                    |                        |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                    |                        |                                                                                    |
| 05/23 - Ongoing                                          | <b>CAYMAN ISLANDS GREENHOUSE GAS (GHG) ASSESSMENT FOR ROADWAY PROJECT   Grand Cayman Island</b><br><b>Senior Engineer.</b> Stantec is developing expected greenhouse gas (GHG) emissions associated with a new road project on Grand Cayman Island. My role is to conduct EPA MOVES modeling runs to assess potential GHG emissions for a number of potential baseline, build and no build scenarios ranging from 2021 through 2074. MOVES is being utilized for both construction-related and traffic-specific emissions. Traffic data is being analyzed for a series of road links and intersections to establish the recommended build alternative. There are two general phases. First is an establishment of a short list of alternatives and determine GHG emissions for all options and provide a recommended preferred alternative. Second, conduct a refined analysis of the selected alternative.                                                                                                                                                                                  |                                                                    |                        |                                                                                    |
| 02/25 - Ongoing                                          | <b>AIR QUALITY PM2.5 HOT-SPOT ANALYSIS FOR SR HIGHWAY 170 WITHIN ANDERSON COUNTY   Anderson County, TX</b><br><b>Senior Engineer.</b> Responsible for air quality hot-spot analysis to ensure conformity as part of the Knoxville Regional Transportation Planning Organization. The analysis incorporates the implementation of EPA MOVES and AERMOD models. Additionally, MSAT, GHG and construction emissions were also assessed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                    |                        |                                                                                    |
| 09/23 - 01/24                                            | <b>GREENHOUSE GAS (GHG) ANALYSIS HIGHWAY EXIT 3 INTERCHANGE   SOUTH CAROLINA DOT   Jasper, County, SC</b><br><b>Project Engineer.</b> A GHG & MSAT analysis is being conducted using MOVES 4.0 for traffic emissions at the County Level Scale and construction emissions are incorporated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                    |                        |                                                                                    |
| 2023                                                     | <b>VICTOR BENEFIT-COST ANALYSIS FOR PAVEMENT RECONDITIONING ON I-90,   Victor, NY</b><br><b>Project Engineer.</b> MOVES was applied to establish emissions for a benefit-cost analysis for a pavement reconditioning project of Interstate 90 in Victor, NY. Gram per hour rates of CO2, NOx, PM (PM2.5/10) and SO2 emissions were determined for 2026 and 2036. Emissions were established based on average congested and free-flow traffic speeds for a build and no-build scenario. Exhaust and brake wear/tire wear processes were modeled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                    |                        |                                                                                    |
| 09/20 - 12/22                                            | <b>MUIRKIRK ROAD CAMPUS MASTER PLAN   Laurel, MD</b><br><b>Project Engineer.</b> The United States General Services Administration required an air quality assessment as part of a Master Plan relating to a new Food and Drug Administration campus in Maryland. Mobile sources modeling was conducted using CAL3QHC for carbon monoxide hot spot analysis. MOVES was also used to establish emissions for existing conditions (2021) and future 2030 and 2040 for peak AM and PM traffic. The worst case intersection was assumed from traffic data and applied conservatively for other 12 intersections in the project area. Emissions analyzed included PM2.5, NOx and VOC. Additionally, MSAT exposure levels for a series of hazardous pollutants was conducted. Lastly, a series of stationary sources were also incorporated into the analysis                                                                                                                                                                                                                                      |                                                                    |                        |                                                                                    |

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| 12/22 – 06/23   | <b>VERO FIBER OPTIC LINE   Numerous Counties, NV</b><br><b>Project Engineer.</b> A NEPA project was completed for a new fiber optic line from Reno to Las Vegas in Nevada. MOVES was applied to establish all non-road construction tailpipe emissions as well as on-road traffic emissions from commuter and delivery vehicles. Pollutants evaluated included all criteria pollutants (PM, NOx, CO2, SO2 and VOC) and GHGs                                                             |
| 05/19 – 05/21   | <b>TRANS WEST LINK EIS,   Arizona and Riverside County, CA</b><br><b>Project Engineer.</b> Creation of a transmission line from Phoenix to Riverside County California; Developed all air quality related written sections of the EIS, updated and created numerous emissions inventories                                                                                                                                                                                               |
| 01/15 - 04/19   | <b>GREENHOUSE GAS ASSESSMENT &amp; ANNUAL INVENTORY   Merit Energy   WY</b><br><b>Project Engineer.</b> Merit Energy is an oil and gas company with locations throughout Texas, Wyoming etc. The facility is required to submit CO2e emissions for several of their locations. Emission inventories and management plans are developed annually to ensure compliance with all applicable regulations. Annual inventories have also been developed and accepted by the state of Wyoming. |
| 08/18 – 05/19   | <b>BNI COAL ENVIRONMENTAL ASSESSMENT   BNI Coal   Bismarck, ND</b><br>Erik developed the air resources sections of the EA. These included both direct and indirect emissions, greenhouse gas evaluation, review of regional monitors, and the cumulative impacts. This project is still ongoing and is near review of the BLM.                                                                                                                                                          |
| 03/19 – 09/19   | <b>HEALTH RISK ASSESSMENT - SANTA ANA   Santa Ana, CA</b><br><b>Project Engineer.</b> Two housing developments were proposed near I-5 and SR-55 in Santa Ana. A health Risk Assessment was conducted for both. AERMOD modeling was conducted to help evaluate both construction and traffic emissions. Projected impacts were used to evaluate and compare against health thresholds.                                                                                                   |
| 10/16 – 10/17   | <b>KAYENTA MINE ENVIRONMENTAL ASSESSMENT   Peabody Coal   Navajo County, AZ</b><br>Eric developed the air resources sections of the EA. These included both direct and indirect emissions, greenhouse gas evaluation, review of regional monitors, the inclusion of CEQ regulations and the role of the Clean Power Plan.                                                                                                                                                               |
| 05/15 - Ongoing | <b>PERMITTING &amp; MODELING EFFORTS   TASCO   Paul, ID</b><br><b>Project Engineer.</b> Eric developed a AERMOD modeling scenarios for the Mini Cassia facility that entailed both NAAQS and state regulated toxic pollutants. These modeling runs were developed to ensure various projects were compliant both on a short term and annual basis.                                                                                                                                      |

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|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Stantec Consulting Services Inc.                                                                             |                                                    |  |    |
| NAME                                                     | Michael Whitney "Whit" Hawkins, PE, CFM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                              | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | 9  |
| TITLE                                                    | Hydraulics Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | 11 |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MBA   2005   Business Administration // BS   2004   Civil Engineering                                        |                                                    |                                                                                    |    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Professional Engineer No. 46867   LA   09/30/2026 // Certified Floodplain Manager No. US-07-02689   MS   N/A |                                                    |                                                                                    |    |
| YEAR REGISTERED                                          | 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DISCIPLINE                                                                                                   | Civil Engineering                                  |                                                                                    |    |
| Contract role(s) / brief description of responsibilities | Whit has over 20 years of experience specifically related to hydraulic projects. This experience includes developing hydraulic and hydrologic studies for FEMA's Digital Flood Insurance Rate Maps, Letters of Map Revisions, Risk MAP program, hydraulics for bridge design, 2-D hydraulic modeling, Phase I and II bridge scour analyses, and design of roadway storm-drain systems. Prior to joining Stantec, Whit served as the Director of Public Works for the City of Madison, MS, for two years that involved leading the design, construction, and maintenance of city streets, water supply system, and storm and sanitary sewers. Whit will provide <b>FLOODPLAINS AND SURFACE WATERS; HYDRAULICS AND HYDROLOGY MODELING</b> services for this contract. <b>Whit meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 22, 23, 24</b> |                                                                                                              |                                                    |                                                                                    |    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                              |                                                    |                                                                                    |    |
| 08/19 - 07/24                                            | <b>I-10/LOYOLA DRIVE INTERCHANGE IMPROVEMENTS DESIGN-BUILD PROJECT   LADOTD   Kenner, LA</b><br><b>Hydraulics Engineer.</b> Responsible for determining hydraulic impact of US Interstate 10 bridge expansion over Duncan Canal and determined placement of scuppers for roadway barriers, noise barriers, and bridges from roadway hydrology and hydraulic calculations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                              |                                                    |                                                                                    |    |
| 10/20 - 05/23                                            | <b>I-55 AT BIG BLACK RIVER AND 5 RELIEFS AND DRY CREEK AND BIG CYPRESS CREEK   Mississippi DOT   MS</b><br><b>Hydraulics Engineer.</b> Performed Phase I and II scour analyses and developed 2-Dimensional Hydraulic Models using Aquaveo SMS Program to determine if six sets of Interstate 55 bridges over the Big Black River and two sets of bridges over Dry Creek and Big Cypress Creek are scour critical.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                              |                                                    |                                                                                    |    |
| 07/19 - 11/22                                            | <b>KEMP BRIDGE REPLACEMENT PROJECT   City of Vicksburg   Warren County, MS</b><br><b>Hydraulics Engineer.</b> Developed HEC-RAS model to design a new bridge over Hennesseys Bayou for the Kemp Bottom Road crossing in Warren County.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                              |                                                    |                                                                                    |    |
| 01/18 - 01/23                                            | <b>US 701 WIDENING   South Carolina DOT   Horry County, SC</b><br><b>Hydraulics Engineer.</b> Developed roadway hydrology and hydraulic models including storm sewer systems for the proposed expansion of U.S. 701 from Homewood to SR 22.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                              |                                                    |                                                                                    |    |
| 07/22 - 12/23                                            | <b>PHASE I AND II BRIDGE SCOUR EVALUATION FOR U.S. INTERSTATE 220 OVER LYNCH CREEK AND WHITE OAK CREEK   Mississippi DOT   MS</b><br><b>Hydraulics Engineer.</b> Performed Phase I and II scour analyses and developed 2-Dimensional Hydraulic Models using Aquaveo SMS Program to determine if one set of Interstate 220 bridges over Lynch Creek and one set of bridges over White Oak Creek are scour critical.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                              |                                                    |                                                                                    |    |
| 06/16 - 04/19                                            | <b>BRIDGE SCOUR EVALUATION FOR LYNCH CREEK AT I-20   Mississippi DOT   MS</b><br><b>Hydraulics Engineer.</b> Developed a 2-Dimensional Hydraulic Model using Aquaveo SMS Program to determine if three sets of Interstate 20 bridges over Lynch Creek are scour critical.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                              |                                                    |                                                                                    |    |
| 06/19 - 03/21                                            | <b>SR 772 BETWEEN CR 132 AND SR 15 (BRIDGE NUMBER 271.8)   Mississippi DOT   Algoma, MS</b><br><b>Hydraulics Engineer.</b> Developed a 2-Dimensional Hydraulic Model using Aquaveo SMS Program to design a box-bridge to replace the existing bridge over Chiwapa Creek in Pontotoc County, MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                              |                                                    |                                                                                    |    |
| 09/17 - 03/21                                            | <b>SR 7 OVER RIVERDALE CREEK AND GRENADA RAILROAD   Mississippi DOT   Grenada County, MS</b><br><b>Hydraulics Engineer.</b> Developed HEC-RAS hydraulic models and proposed bridge designs to replace a bridge over Riverdale Creek and the Grenada Railway on SR 7 in Grenada County, MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                              |                                                    |                                                                                    |    |
| 12/17 - 12/20                                            | <b>US HIGHWAY 80 BRIDGE REPLACEMENTS   Mississippi DOT   Newton, MS</b><br><b>Hydraulics Engineer.</b> Calculated flows to determine sizing of drain pipes for four bridge replacement sites in Newton County, MS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                              |                                                    |                                                                                    |    |





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| <b>01/17 - 12/18</b>   | <b>SR 42 BRIDGE REPLACEMENT   Mississippi DOT   Perry County, MS</b><br><b>Hydraulics Engineer.</b> Developed a 2-Dimensional Hydraulic Model using Aquaveo SMS Program to design a quarter-mile-long bridge replacement over Tallahala Creek in Perry County, MS.                                                                                                                                                                                |
| <b>10/16 - 05/22</b>   | <b>US 84 AT RESERVOIR/MAGNOLIA HILL ROAD AND AT SR 184 INTERSECTION IMPROVEMENTS   Mississippi DOT   Wayne County, MS</b><br><b>Hydraulics Engineer.</b> Developed roadway hydrology and hydraulic models for intersection improvements on US 84 and roadway realignment of SR 184 in Wayne County.                                                                                                                                               |
| <b>07/23 - 05/25</b>   | <b>SR-18 PHASE A BRIDGE HYDRAULICS RECOMMENDATIONS   Mississippi DOT   Claiborne County, MS</b><br><b>Hydraulics Engineer.</b> Developed 2-Dimensional models using Aquaveo SMS software and bridge recommendations for the proposed SR-18 Bridge No. 10.4 bridge replacement in Claiborne County, MS.                                                                                                                                            |
| <b>08/22 - 03/26</b>   | <b>SR-178 BRIDGE NOS. 71.2 AND 72.0 PHASE A BRIDGE HYDRAULICS RECOMMENDATIONS   Mississippi DOT   Union County, MS</b><br><b>Hydraulics Engineer.</b> Developed 2-dimensional hydraulic model using SMS along with SRH-2D, scour analysis, and proposed bridge designs to replace Bridge Nos. 71.2 and 72.0 in Union County, Mississippi.                                                                                                         |
| <b>04/13 - 04/14</b>   | <b>SR 590 BRIDGE REPLACEMENT   Mississippi DOT   Seminary, MS</b><br><b>Project Engineer.</b> Developed hydraulic models, scour analysis, and proposed bridge designs to replace a bridge over Curry Creek on State Route 590 east of Seminary.                                                                                                                                                                                                   |
| <b>08/05 - 04/14</b>   | <b>MISSISSIPPI FLOOD MAP MODERNIZATION INITIATIVE   MDEQ   Jackson, MS</b><br><b>Hydraulics Engineer.</b> Whit was responsible for a variety of technical tasks necessary to update FEMA floodplain maps for counties throughout Mississippi. Some of these tasks included GIS data processing and analyses, hydrologic and hydraulic modeling, digital mapping, production of flood insurance studies, and community outreach and presentations. |
| <b>12/25 - Ongoing</b> | <b>SC 90 AND EAST COX FERRY ROAD WIDENING   South Carolina DOT   Horry County, SC</b><br><b>Hydrology and Hydraulic Design QA/QC.</b> Responsible for the hydrology and hydraulic QA/QC for this 23-mile widening project that Stantec is designing. This project includes NEPA/environmental services, bridges and structures, traffic and safety updates and public outreach services.                                                          |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |                                                    |                                                                                    |   |
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|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Stantec Consulting Services Inc. |                                                    |  |   |
| NAME                                                     | Natalie Lang                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | 2 |
| TITLE                                                    | Environmental Planner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                  | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | 4 |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BS   2019   Marine Biology       |                                                    |                                                                                    |   |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N/A                              |                                                    |                                                                                    |   |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DISCIPLINE                       | N/A                                                |                                                                                    |   |
| Contract role(s) / brief description of responsibilities | Natalie is an environmental planner with six years of experience. Her primary consulting experience includes environmental permitting, compliance documentation pursuant to the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA), and in-field environmental compliance enforcement services for marine-based projects. Natalie's primary project experience includes oil/gas facility construction and decommissioning, land development, transportation planning, and coal combustion residuals management. In addition, Natalie is a certified Self-Contained Underwater Breathing Apparatus (SCUBA) diver qualified to conduct scientific diving services down to 60 feet with her American Academy of Underwater Sciences (AAUS) certification. She has underwater project experience in temperate and tropical waters across North and South America. Natalie will provide <b>NEPA AND PEL DOCUMENTATION</b> services for this contract.                                                                                                                  |                                  |                                                    |                                                                                    |   |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |                                                    |                                                                                    |   |
| 10/24 - Ongoing                                          | <b>I-40 PRIORITY INVESTMENT CORRIDOR   Tennessee DOT   West Knoxville, TN</b><br><b>Technical Writer.</b> Natalie is a member of the environmental project team subcontracted by STV to provide PEL services for TDOT for the I-40 Priority Investment Corridor Project. She provides drafting support for the baseline document and participates in team coordination and alignment calls..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                                    |                                                                                    |   |
| 07/24 - Ongoing                                          | <b>I-94 MIDWAY AND GRANT MARSH BRIDGE FEASIBILITY STUDY   North Dakota DOT   Bismarck, ND</b><br><b>Technical Writer.</b> Natalie is a joint task lead in the development of a PEL Feasibility Study for a new bridge along I-94 in Bismarck and Mandan in North Dakota. In addition, she provides technical writing and project delivery support for the Environmental Justice Technical Memorandum in support of the PEL process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                    |                                                                                    |   |
| 01/24 - Ongoing                                          | <b>LADY'S ISLAND CORRIDOR IMPROVEMENTS (US21/SC802) - ENVIRONMENTAL SERVICES   Beaufort County, SC   Beaufort, SC</b><br><b>Technical Writer.</b> Natalie is currently technical writer in support of the NEPA Categorical Exemption document preparation for the Lady's Island Corridor Improvements Project. The project involves improvements to US 21 Business/US 21 (Sea Island Parkway/Lady's Island Drive) and SC 802 (Sam's Point Road) in Beaufort County, South Carolina. The primary purpose of the project is to reduce congestion and delays, improve safety, and enhance bicycle and pedestrian accommodations. Natalie's primary responsibilities include facilitating document preparation efforts and QA/QC.                                                                                                                                                                                                                                                                                                                                                                           |                                  |                                                    |                                                                                    |   |
| 05/20 - 12/24                                            | <b>TDOT ON-CALL FOR TRANSPORTATION PLANNING SERVICES   Tennessee DOT   Nashville, TN</b><br><b>Technical Writer and Task Lead.</b> Natalie coordinates preparation of Local Road Safety Initiative (LRSI) Categorical Exclusions (CE) along multiple roadways within various counties in Tennessee.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                    |                                                                                    |   |
| 04/24 - Ongoing                                          | <b>NORTH CAROLINA S-LINE MOBILITY HUB FEASIBILITY, NEPA, AND PRELIMINARY DESIGN PROJECT   North Carolina DOT   Sanford and Wake Forest, NC</b><br><b>Technical Writer.</b> Natalie is currently a technical writer in support of environmental compliance documentation for the proposed Sanford and Wake Forest, North Carolina Mobility Hubs. this effort is part of a larger transportation initiative to advance regional multimodal transportation within North Carolina through connectivity, innovation, growth, and vibrancy for the communities along the S-Line and the region. Natalie's role in support of the project includes coordination with junior staff for drafting support, preparation of the Community Impact Assessments, NEPA documentation, QA/QC efforts, and participation in weekly team alignment and check-in calls.                                                                                                                                                                                                                                                     |                                  |                                                    |                                                                                    |   |
| 08/24 - Ongoing                                          | <b>I-95 INTERCHANGE AT EXIT 3 -- RIVERPORT PARKWAY   South Carolina DOT   Jasper County, SC</b><br><b>Technical Writer.</b> Natalie is currently a technical writer in support of the I-95 Interchange at Exit 3 -- Riverport Parkway Project in Jasper County, SC. The proposed Riverport Development consists of industrial, commercial, civic, and residential uses as well as Riverport Parkway and new I-95 Exit 3 interchange. The complete project is split into two environmental compliance efforts with the Army Corps of Engineers as the Lead Agency for the Riverport Development, and the Federal Highway Administration as the Lead Agency for construction of the new I-95 Interchange at Exit 3. Natalie's primary roles in support of the project include preparation of the EA/FONSI for the Exit 3 Interchange, preparation of 2 Environmental Justice technical studies pursuant to EO 12898 and related EOs for the proposed Interchange and the Riverport Development, and Farmland Analysis in compliance with the Farmland Protection Policy Act for the proposed Interchange. |                                  |                                                    |                                                                                    |   |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Stantec Consulting Services Inc.                                              |                   |  |
| NAME                                                     | Mike Van Der Heyden, PE, PMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                   | 8                 |                                                                                    |
| TITLE                                                    | Senior Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                            | 30                |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MS   1992   Environmental Engineering // BS   1982   Agricultural Engineering |                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PE No. 41247   FL   02/28/2027 // PMP No. 750678 - No Expiration              |                   |                                                                                    |
| YEAR REGISTERED                                          | 1989 //1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DISCIPLINE                                                                    | Civil Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | Mike's experience includes project development activities, from concept to concrete. As an embedded GEC project manager at Florida's Turnpike, he was responsible for the delivery of over 100 design projects and more than 25 miles of mainline widening project development and environment (PD&E) studies. His responsibilities include the preparation of concept plans, project scoping, preparing RFPs, and managing design-build RFP preparation contracts. He is responsible for all aspects of project delivery including managing design consultants, concept development, scoping, estimates, risk assessment, consultant acquisition, fee negotiations, design management, and construction delivery for design and design-build assignments. He also has developed project controls as well as managed the Cost Risk Analysis (CRA) studies. Through his experience with tolling, he assisted in the development of General Tolling Requirements for smaller Florida toll agencies. Mr. Van Der Heyden is affiliated with the Project Management Institute, American Society of Civil Engineers; International Bridge and the International Tunnel and Turnpike Association. Mike will provide <b>ALTERNATIVE DELIVERY PLANNING/COORDINATION</b> services for this contract. |                                                                               |                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                               |                   |                                                                                    |
| 01/18 - 10/21                                            | <b>I-95 EXPRESS LANES PHASE 2, I-95 EXPRESS LANES PHASE 3A-1, I-95 EXPRESS LANES PHASE 3A-2, I-95 EXPRESS LANES PHASE 3B, &amp; I-95 EXPRESS LANES PHASE 3C   FDOT District 4   Broward County, FL</b><br><b>Project Manager</b> for the implementation of the tolling aspects of express lanes I-95 in south Florida. Responsibilities include RFP preparation, conceptual signing master plan development, and development of specific project design build criteria development. Includes addressing the tolling aspects regarding construct issues and plan revisions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                               |                   |                                                                                    |
| 11/18 - 12/19                                            | <b>BRIDGING KENTUCKY   Kentucky Transportation Cabinet   Lexington, KY</b><br><b>Team Member.</b> As part of the Bridging Kentucky Team, Mike assisted with the development of the Design Build Playbook and managed the development of a Design Build boilerplate and prepared Standard Specifications revisions. The purpose of these documents is to provide consistency in the deployment of alternative delivery projects. These documents will be used for future deployment of a Design Build option for bridge rehabilitation and/or replacement projects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                               |                   |                                                                                    |
| 05/19 - Ongoing                                          | <b>INTERSTATE PROGRAM MANAGER GENERAL ENGINEERING CONTRACT PROGRAM   FDOT - District 1   FL</b><br><b>Project Manager</b> with experience leading budgeting, planning, conceptual design, scoping, and plan reviews for Conventional and Design Build projects. Manages project delivery, develops RFP sections to reduce risk and clarify commitments, and oversees multidisciplinary coordination. Pine Ridge Road DDI Interchange Improvements: Managed scoping, manhours, and final plan delivery on an accelerated schedule. Reduced delivery risk by consolidating submittals and refining scope. Daniels Parkway DDI Interchange Improvements: Led scoping, manhours, and final plan delivery; resolved major schedule float issues and identified environmental permit efficiencies tied to legislative updates. US 41 at I 275 Signal & Pedestrian Facility Improvements: Directed development of a Low Bid Design Build package within a 30 day turnaround, including concepts, estimates, attachments, and RFP requirements to reduce risk. Design Build Push Button RFP: Led development of a Push Button Design Build RFP, including discipline reviews, project screening, environmental/R/W/utility clearances, cost estimates, and detailed attachments.                   |                                                                               |                   |                                                                                    |
| 03/11 - 09/17                                            | <b>HOMESTEAD EXTENSION OR FLORIDA'S TURNPIKE SR 836 TO SR 91 CORRIDOR PROJECTS   Florida's Turnpike Enterprise   Miami-Dade County, FL</b><br><b>Project Manager Engineer</b> for the implementation of the tolling aspects of express lanes I-95 in south Florida. Responsibilities include RFP preparation, conceptual signing master plan development, and development of specific project design build criteria development. Includes addressing the tolling aspects regarding construct issues and plan revisions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                               |                   |                                                                                    |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                             |                   |                                                                                    |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Stantec Consulting Services Inc.                                                            |                   |  |
| NAME                                                     | Mohit Soni, PE, PMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                 | 13                |                                                                                    |
| TITLE                                                    | Structures Lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                          | 12                |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MS   2000   Civil Engineering // BS   1998   Civil Engineering                              |                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PE No. 65204   FL   02/28/2027 // Project Management Professional #1260420   National   N/A |                   |                                                                                    |
| YEAR REGISTERED                                          | 2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DISCIPLINE                                                                                  | Civil Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | Mohit has 25 years of experience including designing concrete, steel girder, bridges. Mohit is currently serving as a member of SAM-TAG Group with the Florida DOT Central Office, evaluating and implementing innovative materials. Mohit was previously involved in the bridge and sign inspections. He has vast experience with design-build projects and is very familiar with Florida Department of Transportation guidelines, manuals, standards, and specifications. He is proficient with computer programs and programming for structural design and analysis. Mohit will provide <b>STRUCTURES</b> services for this contract.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                             |                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                             |                   |                                                                                    |
| 11/20 - 05/23                                            | <b>PD&amp;E STUDY FOR SR A1A SEBASTIAN INLET BRIDGE (#80005) REPLACEMENT   Florida DOT District 4   Indian River and Brevard Counties, FL</b><br><b>Deputy Project Manager and Structures Engineer of Record.</b> Mohit served as Deputy PM and EOR for replacement of the historic Sebastian Inlet Bridge crossing the Sebastian Inlet at the Indian River and Brevard County boundary. The project area is located immediately adjacent to the Sebastian Inlet State Park. Responsible for multiple agency coordination which includes the US Coast Guard for bridge clearance determination, the Sebastian Inlet District for ROW easement coordination, the Sebastian Inlet State Park, and State Historic Preservation Office for Section 4(f) and historic resources (bridge is NRHP eligible). Efforts include advanced land and water based geotechnical investigations, wetlands and habitat, Section 4(f) resources, Section 106 activities and virtual and hybrid public engagement activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                             |                   |                                                                                    |
| 06/18 - Ongoing                                          | <b>I-70 BRIDGES - BACK CHANNEL BRIDGE   West Virginia Division of Highways   Ohio County, WV</b><br>Project Manager/Structures Lead. Lead/Project Manager overseeing developing rehabilitation plans and calculations as well as the load rating of the Back Channel Bridge (part of the I-70 Bridges project). The structure consists of thirty-five spans of varying type and the bridge is over 2400ft long. The scope of work included complete rehabilitation of Piers 7 & 10; surface repairs of Piers 8, 9 & 11-35, and Piers 13-15, 17-24; clean and apply protective coating to all exposed concrete surfaces, replace all bearings per Rehab Report, Deck Replacement Option B; adjust bearing fixities as required to accommodate movements from pin & hanger splices; repair all deteriorated steel sections indicated in Rehab Report; remove welds, grind out defects and perform dye penetrant tests for cracks as indicated in Rehab Report; replace bolts as indicated in Rehab Report; and include pedestal modification as required at each location.                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                             |                   |                                                                                    |
| 08/15 - 05/19                                            | <b>2.3-MILE TAMIAMI TRAIL BRIDGE (DESIGN-BUILD)   Florida DOT District 6   Miami-Dade County, FL</b><br>Structures QA/QC. Mohit provided independent QA/QC for the design of two new bridges with a total length of 2.3 miles. The structure consists of FIB 72/36 beams supported on precast bent caps and 24" prestressed piles. The project incorporated Accelerated Bridge Method of Construction by utilizing the precast bent caps which minimized on-site concrete pours, environmental impacts, construction impacts to public, expedited construction, improved project delivery time, material quality, product durability and work zone safety. Serving as the northern border of the Everglades National Park (ENP), the bridge is situated in one of the most sensitive wetland habitats in Florida and is home to an impressive variety of threatened and endangered species. The elevated bridging design works to increase and restore natural water flows into the ENP, and is currently the largest ecological restoration effort in the Continental US. The Tamiami Trail Bridging aims to re-establish a north-to-south hydraulic connection across the project site, replacing the existing Tamiami Trail roadway bed with 2.3 miles of bridges that allows for increasing the future flow of water. The overall outcome of this project will allow increased water conveyance into ENP while preserving and protecting the sensitive natural wetland environment encompassing the project site. |                                                                                             |                   |                                                                                    |
| 09/14 - 09/18                                            | <b>DISTRICTWIDE BRIDGE DESIGN REPAIR (CONTRACTS #C9841 &amp; C8X21)   Florida DOT District 3   Various Counties, FL</b><br><b>Project Manager and Engineer of Record.</b> Project Manager/EOR for this task-work order-based contract. 50 task assignments have been completed and include rehabilitation and repainting of major steel structures, repair and replacement of structural elements involving expansion joint replacement, bridge painting, cathodic protection deck crack sealing, approach slab, joint & bearing pad replacement, PT grout investigation, bridge abutment/bent cap repairs, crack repairs, spall repairs, crutch bent, emergency response, fender repairs, and load rating. The bridges include overpass bridge, over rail road, and over water and environmentally sensitive areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                             |                   |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Stantec Consulting Services Inc.                             |                   |  |
| NAME                                                     | Joseph "Brian" Johnson, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                  | 21                |                                                                                    |
| TITLE                                                    | Principal, Structural Section Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)           | 5                 |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MS   2000   Civil Engineering; BS   1999   Civil Engineering |                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PE No. 31273   LA   9/30/2026                                |                   |                                                                                    |
| YEAR REGISTERED                                          | 2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DISCIPLINE                                                   | Civil Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Brian brings over 26 years of engineering experience specifically related to structural projects and serves as the Structural Section Manager in the Baton Rouge office. His primary expertise lies in analysis, design, rating, inspection, and rehabilitation of bridges. Brian has managed bridge projects with a variety of structure types such as prestressed concrete girders, steel truss vertical lift bridges, long span steel trusses, horizontally curved steel plate girders, concrete box culverts, and retaining walls. He has overseen several NSBI bridge inspection projects and been involved in several hydraulic studies for bridge replacement projects in both Mississippi and Louisiana. Brian will provide <b>STRUCTURES</b> services for this contract. <b>Brian meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 15</b></p>  |                                                              |                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              |                   |                                                                                    |
| 07/15 - 06/18                                            | <b>US 90 INTERCHANGE AT LA 318 DESIGN-BUILD   LADOTD   St. Mary Parish, LA</b><br><b>Structural QA/QC Manager.</b> Brian served as the structural quality control manager for this design-build project which consisted of a new twin structure and a diamond interchange. This stretch of US 90 has been designated as the future I-49 corridor. The bridges consisted of LG-54 prestressed concrete girder spans with lengths up to 111-ft supported by multi-column concrete bents. Brian performed independent reviews of the reported designs and the proposed construction plans.                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              |                   |                                                                                    |
| 12/15 - Ongoing                                          | <b>NELSON ROAD EXTENSION AND BRIDGE   LADOTD Contract No. H.005967   Lake Charles, LA</b><br><b>Structural Engineer.</b> Brian managed the bridge and structural design efforts from preliminary to final plans. He performed quality review of bridge design, plans, and specifications for this bridge extension to the surrounding roadway network. Project tasks included design of bridge superstructure, substructure including foundations, median barrier design, and as-designed load rating. Other design elements include navigational lighting bridge attachments and steel bracket light supports with concrete anchors to the bridge structure. Structural Design was performed in compliance with AASHTO LRFD Specifications. In addition, he led the inspection of an existing sign truss to ensure it could be reused for the current project. Brian is currently providing structural construction support for this project.                                                             |                                                              |                   |                                                                                    |
| 08/14 - 07/19                                            | <b>WEST PRIEN LAKE ROAD RELOCATION   LADOTD   Lake Charles, LA</b><br><b>Lead Structural Engineer.</b> Brian was responsible for leading design and plan development efforts for a two-cell, 12-ft x 12-ft reinforced concrete box culvert. The culvert is 117-ft long supporting four travel lanes, a shared use path, and a sidewalk. An architectural railing was installed along the headwall length. Brian oversaw construction administration activities which included reviewing shop drawings, addressing contractor RFIs, and providing construction engineering.                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              |                   |                                                                                    |
| 07/15 - 10/20                                            | <b>I-10 ATCHAFALAYA CLEAN, PAINT &amp; MISC. REPAIRS   LADOTD Contract No. H.009461   St. Martin &amp; Iberville Parishes, LA</b><br><b>Project Manager.</b> Brian oversaw plan production, scheduling field activities, reviewing assessment reports, and construction support services. Project included developing repair and rehabilitation plans for approximately 18.5 miles of structure. Structural steel plate girder and prestressed concrete girder spans founded on multi-column concrete bents were the primary structure types. Repair solutions included concrete deck and barrier rail repairs, concrete and steel girder repairs, bridge bearing replacements, and painting existing structural steel.                                                                                                                                                                                                                                                                                    |                                                              |                   |                                                                                    |
| 08/19 - 07/24                                            | <b>I-10/LOYOLA INTERCHANGE DESIGN-BUILD   LADOTD Contract No. H.011670   New Orleans, LA</b><br><b>Lead Structural Engineer.</b> Brian leads the structural design efforts of two new flyover ramps, one bridge widening, noise barriers, precast box culverts, roadway and pier protection barriers, and miscellaneous structural elements. During design, Brian orchestrated a series of meetings with the contractor, fabricators, vendors, and suppliers to optimize and streamline the design. He oversees construction support which includes shop drawing reviews, addressing RFIs, and providing construction engineering services.                                                                                                                                                                                                                                                                                                                                                                |                                                              |                   |                                                                                    |
| 04/11 - 03/15                                            | <b>I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT   LADOTD H.010151   Lake Charles, LA</b><br><b>Lead Structural Engineer.</b> Brian managed the structural design of a single-span, 130-ft long, prestressed concrete girder bridge along I-210 over Cove Lane and twin concrete slab span bridges over Cline Canal. He provided construction support by reviewing shop drawings, addressing RFIs, attending weekly progress meetings, and performing construction engineering. All design was performed in accordance with AASHTO LRFD Bridge Design Specifications.                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              |                   |                                                                                    |

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| 09/17 - 06/20   | <b>SR 145 BRIDGE REPLACEMENTS   Mississippi DOT   Prentiss County, MS</b><br><b>Project Manager.</b> The Mississippi Department of Transportation (MDOT) replaced five structurally deficient bridges along SR 145 in Prentiss County. Construction was performed on the existing roadway alignment which created challenges both during design and construction. The five crossings include Twenty Mile Creek, Wolf Creek and its tributary, Osborne Creek, and Kings Creek. Brian served as Engineer-of-Record and project manager responsible for overseeing all design and production of contract documents. He was the single point of contact for MDOT's project divisions (roadway, bridge, geotechnical) and for managing the project budget. The project's proximity to potential seismic activity (seismic performance zone 1; site class C) warranted the consideration of seismic forces during design. Design was performed in accordance with the current AASHTO LRFD Bridge Design Specifications and the Guide Specifications for LRFD Seismic Bridge Design.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 08/05 - 01/13   | <b>STARING LANE IMPROVEMENTS (HIGHLAND ROAD TO PERKINS ROAD)   LADOTD   Baton Rouge, LA</b><br><b>Bridge Design Manager.</b> As part of a 2-mile, \$38 million roadway and sewer improvement project, Stantec was responsible for the design and plan development for twin four-span quad beam girder bridges over Dawson Creek. The bridges are 160 feet in length and supported by cast-in-place pile bents. Brian assisted with the hydraulic study during the conceptual study and was responsible for the structural design.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 09/12 - 09/17   | <b>RETAINER CONTRACT FOR BRIDGE PRESERVATION PROJECTS   LADOTD   Louisiana Statewide</b><br><b>Project Manager.</b> Brian served as the Project Manager overseeing a \$6 million retainer contract involving 10 design task orders. Projects included new bridge design, bridge inspection and rehabilitation, preventive maintenance, and construction support services. In addition to design and coordination with Clients and subconsultants, Brian's responsibilities included transmitting submittals through the LADOTD Project Wise file sharing site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 08/15 - 03/20   | <b>I-20 AND TARBUTTON ROAD INTERCHANGE   City of Ruston, LA</b><br><b>Project Manager.</b> Stantec was tasked with redesigning a new bridge on Tarbutton Road over I-20 due to an escalated construction cost estimate. The previously designed structure consisted of a four-span prestressed concrete girder bridge with pile footing column bents. Stantec proposed to reduce construction costs by using a two-span structural steel plate girder system with drilled shaft substructure units. The bridge is 275-ft (two 137.5-ft spans) long and 76.5-ft wide. The deck accommodates four lanes of traffic and a 6-ft wide raised median. Nine structural steel plate girders, with a hybrid section (50-ksi webs and 70-ksi flanges) over the intermediate bent, are used for the superstructure. Drilled shafts are used for both the end bents and intermediate bent. To reduce the number of drilled shafts at the end bents, a cantilever wingwall, parallel to the roadway, was designed and detailed. All design was performed in accordance with the current AASHTO LRFD Bridge Design Specifications.<br>Stantec coordinated with the firm performing the roadway design and plan development on revisions to the roadway and maintenance of traffic plans to incorporate the steel girder bridge. Due to time constraints with potential construction funding, the plan development phase was condensed to four months. Stantec provided support during construction by reviewing shop drawings, addressing contractor RFIs, and assisting with construction engineering when required. Recently this project was recognized nationally by AASHTO in The Benefits of Transportation, a publication that is part of an outreach campaign started by AASHTO in 2020 to increase public awareness about the benefits of transportation investment.                                                                                                  |
| 07/18 - Ongoing | <b>SR 12 OVER SUNFLOWER RIVER BRIDGE REPLACEMENT   Mississippi DOT   MS</b><br><b>Project Manager.</b> Brian serves as the Project Manager for this bridge replacement of an existing structurally deficient bridge. The new structure will be a three-span, structural steel plate girder bridge that will be 910-ft long with a main span of 350-ft. A construction sequence is suggested that will reduce transportation concerns by using shorter field pieces that will be spliced on the site prior to erection. Substructure units consist of concrete caps founded on drilled shafts (7-ft diameter) and steel pipe piles. Segmental joints were designed for the bridge ends to accommodate large movements and minimize future maintenance considerations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 07/15 -Ongoing  | <b>I-49 LAFAYETTE CONNECTOR   LADOTD   Lafayette, LA</b><br><b>Structural Engineer.</b> A 5.5-mile, elevated, six-lane highway will traverse urban Lafayette, Louisiana, from I-10 south to its end near the Lafayette Regional Airport. The overall \$9M project includes the construction of a freeway with accompanying interchanges in the Evangeline Thruway/US 90/US 167 corridor and flanking frontage roads for local traffic circulation and land access. A critical transportation link, the I-49 Connector will connect existing I-49 with new interstate mileage through Lafayette and onto New Orleans. Our first activity was to complete the functional plan that started in 2006, which included an extensive community outreach and public input phase. Refinement concepts to the Selected Alternative generated by the public and other stakeholders were investigated and a final design concept was adopted. The functional plan phase included final geometrics, traffic and ITS analyses, EIS re-evaluation, bridge-type selection, lighting, rail and airport coordination, and underpass planning, along with preliminary geotechnical investigation, SUE and topographic survey, and mapping. The CSS process continued by using the refined concept to set the attributes of 55 CSS design elements to be incorporated into the project, including parks, plazas, landscaping, hardscaping and brick pavers, and bridge aesthetic treatments. The CSS process concluded with a Design Guidelines document to direct the design and construction of the project. Analysis of different alignments and interchange configurations was performed using TransCAD, Vistro, HCS, and VISSIM software. The traffic evaluation included a detailed Vistro model of 60 intersections along the project corridor. Each intersection was evaluated for potential control type changes to either unsignalized, signalized, or roundabout control. |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Stantec Consulting Services Inc.                                    |                   |  |
| NAME                                                     | Robert Smith, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                         | 13                |                                                                                    |
| TITLE                                                    | Senior Bridge Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                  | 29                |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MS   1983   Structural Engineering // BS   1982   Civil Engineering |                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PE No. 42575   LA   09/30/2026                                      |                   |                                                                                    |
| YEAR REGISTERED                                          | 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DISCIPLINE                                                          | Civil Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | Robert has over 42 years of experience in the design and management of structural systems. He has an excellent grasp of structural engineering principles, with an ability to develop solutions to non-typical situations in both traditional design-bid-build projects and design-build projects. He is skilled in finding problems and performing necessary change through project management or other methods. He maximizes resources to achieve client satisfaction and increased productivity, meeting deadlines and goals. Additionally, Robert is experienced in public speaking and executive management briefing. He is persuasive, with ability to communicate effectively with a culturally diverse audience. He is also experienced in Microstation, ConSpan, RCPier, MathCAD, Excel, FDOT Structures programs, PennDOT Structures Programs, Merlin-Dash, Descus-II, Shoring Suite, and Larsa 4D. Robert will provide <b>STRUCTURES</b> services for this contract.                                                                                                                                                          |                                                                     |                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                     |                   |                                                                                    |
| 08/22 - Ongoing                                          | <b>PD&amp;E STUDY FOR SR 5/US1 LONG KEY BRIDGE   FDOT District 6   Monroe County, FL</b><br><b>Senior Structures Engineer.</b> This project evaluates bridge replacement alternatives to address the structural and functional (design) deficiencies of the existing Long Key Bridge along SR 5/US 1/Overseas Highway. The project limits extend from N. Conch Avenue in Conch Key to the entrance of Edgewater Lodge in Long Key. The study also assesses if additional travel lanes are warranted. Additionally, the project evaluates enhancing overall mobility of the area by maintaining an important regional connection, meeting traffic demand, and enhancing multimodal connectivity. The alternatives evaluate improving emergency evacuation/ response times and providing enhanced or new bicycle and pedestrian facilities.                                                                                                                                                                                                                                                                                                |                                                                     |                   |                                                                                    |
| 11/20 - 05/23                                            | <b>PD&amp;E STUDY FOR SR A1A SEBASTIAN INLET BRIDGE (#80005) REPLACEMENT   FDOT District 4   Indian River and Brevard Counties, FL</b><br><b>Senior Structures Engineer.</b> This study evaluates replacement of the historic Sebastian Inlet Bridge crossing the Sebastian Inlet at the Indian River and Brevard County boundary. The project area is located immediately adjacent to the Sebastian Inlet State Park. Project includes multiple agency coordination which includes the US Coast Guard for bridge clearance determination, the Sebastian Inlet District for ROW easement coordination, the Sebastian Inlet State Park, and State Historic Preservation Office for Section 4(f) and historic resources (bridge is NRHP eligible). Efforts include advanced land and water based geotechnical investigations, wetlands and habitat, Section 4(f) resources, Section 106 activities and virtual and hybrid public engagement activities.                                                                                                                                                                                    |                                                                     |                   |                                                                                    |
| 04/15 - Ongoing                                          | <b>GOLDEN GLADES INTERCHANGE IMPROVEMENTS (SR-826/PALMETTO EXPRESSWAY EASTBOUND RAMP TO SR-9A/I-95 NORTHBOUND)   FDOT District 6   Miami-Dade County, FL</b><br><b>Senior Structures Engineer</b> for this critical interchange project that is of regional importance providing connectivity to six major principal arterials and/or limited access expressway facilities including I-95/SR 9A, SR 9, SR 91 (Florida's Turnpike), US-441/SR 7 and SR 826. Primary purpose of this project is to provide a direct connection ramp from SR 826/Palmetto Expressway eastbound to I-95 northbound. Project also: improves the Florida's Turnpike southbound to the I-95 southbound movement; enhances multimodal use for both transit and freight; develops improvements within the Golden Glades Interchange to enhance safety, mobility and circulation; and enhances emergency access and incident response times through the interchange. Job includes the construction of 7 new bridges. Other improvements include retaining walls, lighting, sound walls, utilities JPA plans, signalization, signing and pavement markings and ITS. |                                                                     |                   |                                                                                    |
| 08/12 - 01/16                                            | <b>HOMESTEAD EXTENSION OF FLORIDA'S TURNPIKE (HEFT) (SR-821) NORTH OF BIRD ROAD (SW 40TH STREET) TO SR 836, RFP DEVELOPMENT   Florida's Turnpike Enterprise   Miami-Dade County, FL</b><br><b>Engineer of Record</b> responsible for review and load rating of existing structures and conceptual design of widenings, replacement bridge carrying Coral Way over HEFT and two new continuous steel plate girder connector ramp bridges; evaluation of retaining walls and sound barrier walls. Project purpose was to develop an RFP to allow the FTE to advertise for procurement of Design/Build services for final design and construction of this project. Project includes widening two dual (NB & SB) mainline bridges over local roads; replacement of bridge carrying Coral Way over HEFT; traffic railing upgrade on Ramp A over C-2 canal bridge; replacement of Ramp SW over C-4 Canal bridge; and two new continuous steel plate girder ramp bridges connecting express lanes between HEFT and SR 836.                                                                                                                      |                                                                     |                   |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Stantec Consulting Services Inc.                             |                   |  |
| NAME                                                     | John Krebs, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                  | 12                |                                                                                    |
| TITLE                                                    | Senior Bridge Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)           | 4                 |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MS   2008   Civil Engineering; BS   2007   Civil Engineering |                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PE No. 37259   LA   9/30/2026                                |                   |                                                                                    |
| YEAR REGISTERED                                          | 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DISCIPLINE                                                   | Civil Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>John has 16 years of experience providing engineering design and load ratings for bridges and interchanges for LADOTD, MDOT, and KYTC. His primary expertise lies in the engineering analysis and design of a variety of structure types such as prestressed concrete girders, reinforced concrete substructure elements, and retaining walls. He has been heavily involved in the load rating of existing bridges in both Louisiana and Mississippi. John's current duties include the analysis and design of various bridge elements as well as construction administration. John will provide <b>STRUCTURES</b> services for this contract. <b>John meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 15</b></p>                                                                                                                               |                                                              |                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                   |                                                                                    |
| 08/19 - 07/24                                            | <p><b>I-10/LOYOLA INTERCHANGE DESIGN-BUILD   LADOTD Contract No. H.011670   New Orleans, LA</b><br/> <b>Project Engineer.</b> This project provided improvements to Loyola Drive north of Interstate 10 (I-10) and continues south of I-10 connecting to the new terminal access road for the Louis Armstrong New Orleans International Airport. The project provided one-way elevated flyovers from I-10 Westbound to Loyola Drive Southbound and Loyola Drive Northbound to I-10 Eastbound. The concept eliminated the need for a third bridge structure, which traversed nearly 1,200 feet along the median of Loyola north of I-10. Through Stantec traffic analysis, the DDI was shown to perform better than the Preferred Alternative for the overall project. Innovation provided by the team allowed a total price of \$125.6M, which was at the LADOTD's budget and 27% below the next lowest bid.</p> |                                                              |                   |                                                                                    |
| 09/12 - 03/15                                            | <p><b>I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT   LADOTD H.010151   Lake Charles, LA</b><br/> <b>Project Engineer.</b> Increasing development pressure combined with construction of a new \$500M casino/resort facility created the immediate need for better interstate access and local street connectivity. To convert the existing one-ramp interchange to a full interchange, minimize right-of-way impacts and costs, and to expedite the project schedule, we designed a tight urban diamond interchange. The design was chosen out of more than 30 configurations that were developed and reviewed.</p>                                                                                                                                                                                                                                                                                     |                                                              |                   |                                                                                    |
| 12/15 - Ongoing                                          | <p><b>NELSON ROAD EXTENSION AND BRIDGE   LADOTD Contract No. H.005967   Lake Charles, LA</b><br/> <b>Bridge Design Engineer.</b> John performed bridge and structural design efforts from preliminary to final plans. Project tasks included design of bridge superstructure, substructure including foundations, median barrier design, and as-designed load rating. Other design elements include navigational lighting bridge attachments and steel bracket light supports with concrete anchors to the bridge structure. Structural Design was performed in compliance with AASHTO LRFD Specifications. John is currently providing structural construction support for this project.</p>                                                                                                                                                                                                                    |                                                              |                   |                                                                                    |
| 07/15 - 06/18                                            | <p><b>US 90 INTERCHANGE AT LA 318 DESIGN-BUILD   LADOTD   St. Mary Parish, LA</b><br/> <b>Bridge Task Lead.</b> John served as the bridge task lead for this design-build project which consisted of a new twin structure and a diamond interchange. This stretch of US 90 has been designated as the future I-49 corridor. The bridges consisted of LG-54 prestressed concrete girder spans with lengths up to 111-ft supported by multi-column concrete bents.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                              |                   |                                                                                    |
| 08/14 - 07/19                                            | <p><b>WEST PRIEN LAKE ROAD RELOCATION   LADOTD   Lake Charles, LA</b><br/> <b>Bridge Task Lead.</b> John was responsible for design and plan development efforts for a two-cell, 12-ft x 12-ft reinforced concrete box culvert. The culvert is 117-ft long supporting four travel lanes, a shared use path, and a sidewalk. An architectural railing was installed along the headwall length.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                              |                   |                                                                                    |
| 07/15 - 10/20                                            | <p><b>I-10 ATCHAFALAYA CLEAN, PAINT &amp; MISC. REPAIRS   LADOTD Contract No. H.009461   St. Martin &amp; Iberville Parishes, LA</b><br/> <b>Project Engineer.</b> Project included developing repair and rehabilitation plans for approximately 18.5 miles of structure. Structural steel plate girder and prestressed concrete girder spans founded on multi-column concrete bents were the primary structure types. Repair solutions included concrete deck and barrier rail repairs, concrete and steel girder repairs, bridge bearing replacements, and painting existing structural steel.</p>                                                                                                                                                                                                                                                                                                             |                                                              |                   |                                                                                    |



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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Stantec Consulting Services Inc.                               |                   |  |
| NAME                                                     | Austin Nall, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                    | 4                 |                                                                                    |
| TITLE                                                    | Senior Associate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)             | 8                 |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MS   2013   Civil Engineering // BS   2012   Civil Engineering |                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PE No. 41611   LA   9/30/2027                                  |                   |                                                                                    |
| YEAR REGISTERED                                          | 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DISCIPLINE                                                     | Civil Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | Austin is a geotechnical engineer with 12 years of experience coordinating field investigations, compiling boring logs, conducting geotechnical engineering analyses, and preparing final reports for complex civil engineering projects in Southeast Louisiana. He is experienced in permit requirements for the US Army Corps of Engineers (USACE) and the Coastal Protection and Restoration Authority (CPRA). This includes the required knowledge of the Hurricane and Storm Damage Risk Reduction System Design Guidelines (HSDRRS-DG). Austin will provide <b>GEOTECHNICAL/GEOLOGY</b> services for this contract.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                |                   |                                                                                    |
| 0/21 - Ongoing                                           | <b>MID-BRETON SEDIMENT DIVERSION   Coastal Protection &amp; Restoration Authority   Plaquemines Parish, LA</b><br><b>Geotechnical Engineer.</b> Assists in managing the project as well as supporting the permitting process, planning the field investigations (soil boings, CPTs), developing laboratory test programs, and performing engineering analyses (global stability, settlement, seepage, pile capacity, etc.). The Mid-Breton Diversion project (BS-0030) is located on the east side of the Mississippi River in Plaquemines Parish, LA and is intended to divert sediment rich water from the Mississippi River to create new land in the Breton Sound Basin. Project features will include a gated diversion control structure in line with a realigned segment of Mississippi River Levee, diversion channel and conveyance levees, inlet and outfall channels, and new segments of state highway to connect a new bridge. Cost \$660M.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                |                   |                                                                                    |
| 08/19 - Ongoing                                          | <b>UNIVERSITY LAKES FLOOD RISK REDUCTION DESIGN   University Lakes LLC   Baton Rouge, LA</b><br><b>Geotechnical Independent Reviewer.</b> Performed independent review of field and laboratory data collection. Also supported scoping of geotechnical engineering analyses including settlement and consolidation of dredge slurry. Unique project features include separation of dredged slurry solids utilizing polymers and geotextile tubes. Stantec is leading design services to excavate and deepen the deteriorated LSU Lake System, promoting better drainage and flood prevention.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                |                   |                                                                                    |
| 03/20 - 06/24                                            | <b>WEST SHORE LAKE PONTCHARTRAIN PUMP STATIONS AND DRAINAGE STRUCTURES   USACE - New Orleans District   St Charles Parish, LA</b><br><b>Geotechnical Engineer.</b> Assisted in managing the project, performing engineering analyses (global stability, settlement, pile capacities, unbalanced load calculations, preload program with wick drains), developing construction specifications, and performing technical reviews. Austin performed the geotechnical design for a segment of braced floodwall for the project. The project presented several geotechnical challenges as the project sites are located in virgin marsh deposits consisting of very soft, compressible clays and organics. Stantec's scope of work includes risk reduction features at four sites including two pump stations, four drainage structures, braced floodwalls, T-Wall transitions, levee sections, maintenance and electrical buildings, operations area, and access roads. Analyses for the project adhered to the latest guidelines set forth by the HSDRRS-DG, USACE Engineering Manuals, and LADOTD criteria.                                                                                                                                                                                                                                                                                                                        |                                                                |                   |                                                                                    |
| 01/15 - 01/22                                            | <b>HOUMA NAVIGATION CANAL LOCK COMPLEX   Terrebonne Levee &amp; Conservation District   Terrebonne Parish, LA</b><br><b>Geotechnical Engineer of Record.</b> From 2015 to 2022, geotechnical EOR for a new 800-foot-long lock system and upgrades to the existing 300-ft-wide barge-type floodgate to reduce saltwater intrusion and support environmental and ecosystem habitat restoration. New construction included braced floodwalls, swinging steel floodgate and sector gates, end cells, levee tie-ins, preload programs, and control buildings. Performed geotechnical analyses including pile capacity/settlement; down drag; global stability of levees, banks, and T-Walls, including unbalanced load determination; seepage cut-off walls; lateral pile capacities; retaining walls; and settlements. A pile load test was performed as a part of the design phase and included several axial compression and tension load tests on piles with tips at El. -120 to -190 ft. as well as a heavily instrumented lateral load test on 90- and 66-inch diameter steel pipe piles. Analyses adhered to latest guidelines set forth by HSDRRS-DG and applicable USACE EMs. Project included marsh creation utilizing dredged soil from the channel deepening. Sealed the geotechnical report containing results of analyses and recommendations made for the project. Cost \$2M (geotechnical fee); \$390M (construction) |                                                                |                   |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Stantec Consulting Services Inc.                   |                   |   |
| NAME                                                     | Joseph "Joe" Cains, III, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 22                |                                                                                     |
| TITLE                                                    | Roadways Leader                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 0                 |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BS   2003   Civil Engineering                      |                   |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PE No. 33670   LA   03/31/2028                     |                   |                                                                                     |
| YEAR REGISTERED                                          | 2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DISCIPLINE                                         | Civil Engineering |                                                                                     |
| Contract role(s) / brief description of responsibilities | <p>Joe has 22 years of experience for various project types, including interstates and interchanges, arterials and collector highways, local roads, bridge replacement projects and other similar transportation systems, on both existing highway alignments and new locations. He also has experience with innovative intersections, including roundabouts, DDIs, CFIs, and has been involved in several major projects involving compressed schedules and quick turnaround deadlines. He has experience in both traditional and alternative delivery types as well as Construction Administration services, allowing him to help lead the charge in the transportation industry for Stantec in the State of Louisiana. Joe will provide <b>ROADWAY AND MOT</b> services for this contract. <b>Joe meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 14</b></p>                                                                                                                                                                                                      |                                                    |                   |  |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |                   |                                                                                     |
| 07/15 - Ongoing                                          | <b>I-49 LAFAYETTE CONNECTOR   LADOTD   Lafayette, LA</b><br><b>Lead Roadway Engineer.</b> Joe's responsibilities include assisting with the completion of Task 4 Geometrics, of a 15 task project that is being carried out with a team of 15 design firms. Joe's duties involve design and oversight of the various roadway elements of the project, including development of new interstate alternatives and intersections, unique design solutions, multi-disciplinary coordination, utility coordination, and public and stakeholder coordination..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |                   |                                                                                     |
| 08/19 - 07/24                                            | <b>I-10/LOYOLA INTERCHANGE DESIGN-BUILD   LADOTD   Kenner, LA</b><br><b>Lead Roadway Engineer.</b> This multimillion-dollar design-build project will improve access and traffic operations to and around the new Northfield Terminal at the NewOrleans International Airport. Project consists of a Diverging Diamond Interchange and flyover ramps leading to/from the Airport on the east side of the interchange. Joe served as EOR for the plan development of the project, designed the horizontal and vertical geometry for the project, coordinated with the various disciplines (structural, traffic, electrical) on the project, provided construction support, developed unique solutions to resolve field issues, answered RFIs, and attended progress and partnering meetings. He was also involved in the IMR documentation and the primary developer of the Level 4 TMP document for the project.                                                                                                                                                                                                                   |                                                    |                   |                                                                                     |
| 11/10 - Ongoing                                          | <b>NELSON ROAD EXTENSION AND BRIDGE   LADOTD   Lake Charles, LA</b><br><b>Project Manager.</b> Responsible for the Environmental Assessment as well as the Preliminary and Final Design Phases of this project to construct a high-level bridge over Contraband Bayou. Joe coordinated all environmental tasks, developed the line and grade study, performed 3 vessel surveys to better understand navigational requirements for the proposed bridge, assisted with development of the Section 404 and Section 10 permits (USACE and USCG), coordinated the compilation of the entire EA document, which included 3 subconsultants, and secured a FONSI decision. He also designed the horizontal and vertical geometry for the project, and providing general oversight, guidance, and coordination of plan development for the various disciplines involved, including roadway design, drainage design, maintenance of traffic, bridge design, traffic signal design, railroad design, lighting design, and assisted District 07 with the coordination of utility impacts. Joe is also providing construction support services. |                                                    |                   |                                                                                     |
| 08/14 - 08/19                                            | <b>W. PRIEN LAKE ROAD RELOCATION   LADOTD   Lake Charles, LA</b><br><b>Project Manager.</b> Joe served as Project Manager for the Preliminary and Final Design Phases of this project, that proposed to realign W. Prien Lake road for approx. 1.4 miles to improve interchange operations at I-210 and Nelson Road. Joe designed the original horizontal and vertical geometry for the project, and later oversaw the final design of the horizontal and vertical geometry, as well as provided general oversight, guidance, and coordination of plan development for the various disciplines involved, including roadway design, drainage design, structural design, traffic signal design, and lighting design performed by a subconsultant.                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                   |                                                                                     |

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| 04/15 - 06/18 | <p><b>US 90 AT LA 318 INTERCHANGE DESIGN-BUILD PROJECT   LADOTD   St Mary Parish, LA</b><br/> <b>Lead Roadway Engineer.</b> Project included upgrading the existing two-lane undivided roadway LA 318 to a two-lane divided roadway with a raised median, and constructing a new overpass bridge for US 90 over LA 318. This project also included a significant utility relocation coordination effort, as well as ROW acquisition (first for a Design-Build Project), and a Transportation Management Plan. Joe's duties included leading the effort for plan development of the various design units, development of the TMP, as well as construction support during the process.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 05/12 - 08/17 | <p><b>GOVERNMENT STREET ROAD DIET STAGE 0 THROUGH FINAL PLANS   LADOTD   Baton Rouge, LA</b><br/> <b>Roadway Engineer.</b> Project included upgrading the existing two-lane undivided roadway LA 318 to a two-lane divided roadway with a raised median, and constructing a new overpass bridge for US 90 over LA 318. This project also included a significant utility relocation coordination effort, as well as ROW acquisition (first for a Design-Build Project), and a Transportation Management Plan. Joe's duties included leading the effort for plan development of the various design units, development of the TMP, as well as construction support during the process. The project rehabilitates and restripes existing roadway from a 4-lane section to a 3-lane section (Road Diet). Restriping the roadway allows the reclaimed pavement to be used to provide multi-modal and streetscape improvements. Bike lane improvements and vegetative median islands were added to the corridor and sidewalks were brought up to ADA compliance. This project includes a single-lane roundabout with bypass lanes designed for the Lobdell Avenue intersection, complete street improvements, access management and community enhancements.</p>                                                                                                                                                                                                                                                                                                                                                          |
| 03/07 - 12/12 | <p><b>L'AUBERGE BATON ROUGE HOTEL &amp; CASINO, RIVER ROAD (LA 327) RELOCATION   LADOTD   Baton Rouge, LA</b><br/> <b>Assistant Project Manager.</b> To prepare for the gaming site and potential traffic impacts, a relocation of River Road approx. 700 ft. from the toe of the levee for a distance of approx. 1.1 miles was completed. Joe led roadway design and plan development efforts to relocate River Road 1.1 miles and install three new single lane roundabout intersections for the proposed development access that mitigated impacts for this \$400M+ casino development (L'Auberge Baton Rouge). He was heavily involved in the client coordination and project coordination efforts during the planning of the development. In addition to the River Road Relocation effort, he led the management, design, and plan development for 5 offsite intersections also associated with the traffic impact for this development. In addition to designing the horizontal and vertical geometry for these improvements, Joe also designed the drainage elements for the project (paved gutter drains, culvert design, and open ditch design), striping &amp; signage, and maintenance of traffic plans, and also assisted with coordination of utilities and lighting for the project. Joe was also heavily involved in the construction phase of the project, including construction support and construction administration.</p>                                                                                                                                                                    |
| 09/12 - 06/15 | <p><b>I-210 / Cove Lane Interchange and Roundabout   LADOTD   Lake Charles, LA</b><br/> <b>Assistant Project Manager/Lead Roadway Engineer</b> on this project proposed to reconstruct I-210 to overpass the extension of Cove Lane and widen it between the foot of the I-210 bridge over the Calcasieu River ship channel to the Nelson Road Interchange. During the Stage 0 and IMR phases of the project, Joe developed 29 full interchange alternatives and coordinated with traffic engineers during the analysis and modeling efforts to modify the alternatives as needed to satisfy LADOTD needs. In the environmental phase, he provided the exhibits and materials necessary to support the Environmental Assessment document. During the Preliminary and Final Design Phases of the project, he designed the horizontal geometry for the entire project, led the roadway design plan development efforts, and coordinated multiple disciplines including hydraulic analysis and design, striping and signing design, bridge and structural design, geotechnical design, maintenance of construction, as well as ROW acquisition, Utility Coordination &amp; Relocation, and implementing environmental commitments into the design. Joe was also involved with the development of the Transportation Management Plan, and the development and approval of several Special Provisions for the project. Lastly, he was heavily involved in the construction process, which included frequent trips to the project site, answering RFIs, and assisting LADOTD with maintaining the project schedule.</p> |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Stantec Consulting Services Inc.                   |                   |   |
| NAME                                                     | Nicholas "Nick" Prudhomme, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 20                |                                                                                     |
| TITLE                                                    | Associate, Transportation Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 0                 |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | BS   2006   Civil Engineering                      |                   |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PE No. 35996   LA   03/31/2027                     |                   |                                                                                     |
| YEAR REGISTERED                                          | 2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DISCIPLINE                                         | Civil Engineering |                                                                                     |
| Contract role(s) / brief description of responsibilities | <p>Nick has experience in feasibility/alternative studies and preliminary and final design of interstates, entrance and exit ramps, arterials, local roads, bridge replacement projects, and other similar transportation systems along both existing and proposed alignments. His experience also includes training courses for Traffic Control Supervisor, Traffic Control Design Specialist, and training in the Highway Safety Manual. Nick will provide <b>ROADWAY AND MOT</b> services for this contract. <b>Nick meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 14</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                   |  |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |                   |                                                                                     |
| 02/25 - Ongoing                                          | <p><b>PORT OF NOLA LIT   Violet, LA</b><br/> <b>Roadway Lead.</b> Stantec is leading the design of the terminal entrance roadway to the new Louisiana International Terminal in Violet, Louisiana. This project includes Final Design plans for the terminal roadway as well as northbound and southbound exit ramp access connections from LA Highway 39 (E Judge Perez Drive). The Port's Terminal Access Road will accommodate multiple user types such as container trucks and passenger cars and utilize a separate passenger vehicle bypass lane to avoid planned truck queuing. Stantec is also performing a 35% design with horizontal and vertical alignments, limits of construction, and potential ROW impacts for a future interchange at LA 39. The design includes converting the existing LA 39 highway to an overpass with a folded diamond interchange at the terminal roadway and a parallel rail line running toward the St. Bernard Transportation Corridor. Nick is responsible for the current and future roadway and drainage design, as well as the management of the team's subconsultants and coordination with Port leadership.</p> |                                                    |                   |                                                                                     |
| 01/12 - Ongoing                                          | <p><b>I-49 INNER CITY CONNECTOR, ENVIRONMENTAL IMPACT STUDY   LADOTD   Shreveport, LA</b><br/> <b>Roadway Engineer.</b> The Northwest Louisiana Council of Governments (NLCOG) and LADOTD have requested that an additional potential alternative (Alternative 3A) be studied as part of the overall concept to extend I-49 from the existing terminus at the I-20 interchange north approximately 4.5 miles to I-220. The initial work includes horizontal and vertical geometrics, structural, and traffic investigations. As a part of the effort, Stantec is developing concepts for the I-49/I-20 fully directional interchange, an elevated interstate viaduct segment to minimize local conflicts, two other 2-level interchanges, a constraints map, conceptual cost estimate, and also coordinating closely with environmental firms on the team as well as local municipal leaders. Nick is currently involved in the development of horizontal and vertical concepts as well as quantities and cost estimates for the mainline interstate and interchange structures.</p>                                                                           |                                                    |                   |                                                                                     |
| 07/15 - Ongoing                                          | <p><b>I-49 LAFAYETTE CONNECTOR   LADOTD   Lafayette, LA</b><br/> <b>Drainage QA/QC and Roadway Engineer.</b> Nick is responsible for overseeing the drainage design of the project as well as the roadway design of the Willow Street interchange, including horizontal and vertical design, roadway clearance and sight line checks, InRoads modeling, and quantity calculations. Project includes the construction of a freeway with accompanying interchanges in the Evangeline Thruway/US 90/US 167 corridor and flanking frontage roads for local traffic circulation and land access. A critical transportation link, the I-49 Connector will connect existing I-49 with new interstate mileage through Lafayette and to New Orleans.</p>                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |                   |                                                                                     |
| 09/12 - 06/15                                            | <p><b>I-210 / COVE LANE INTERCHANGE AND ROUNDABOUT   LADOTD   Lake Charles, LA</b><br/> <b>Roadway Engineer.</b> This project began as a location and feasibility study for exit ramp modifications at a rural local road approximately half a mile in length. The project progressed to design and development for modifications to the existing interstate exit ramp and adjacent local roads, approximately 2500 feet total length, all to LADOTD standards. Nick assisted in the design and plan development for the proposed full tight diamond interchange at Cove Lane and I-210. He was responsible for all the earthwork calculations for the interchange improvements, as well as the extension of existing Cove Lane to the north. The project included retaining walls and a load transfer platform which were included in Nick's cross section design.</p>                                                                                                                                                                                                                                                                                        |                                                    |                   |                                                                                     |

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| <b>08/15 - 03/16</b>   | <p><b>US 90: Remove Toll Booths/Reconfigure Travel Lanes   New Orleans, LA</b> Roadway Engineer. Stantec was contracted by LADOTD to design a reconfiguration of the existing US 90 toll plaza on the West Bank of New Orleans. The project was a result of a study performed by Stantec in the Fall of 2012, which looked at potential changes to the toll plaza in the event that the tolls would not be renewed in a local referendum. The study included a VISSIM model of the toll plaza area plus 4 near-by on-ramps that feed into the toll plaza. The recommended alternative from the study was to convert the toll plaza area from twelve toll plaza lanes to a standard freeway merging configuration maintaining three mainline through lanes. The four on-ramps would each merge into the mainline one at a time, preserving the priority of the mainline lanes. Additional alternatives were analyzed at the request of the local District, and the final design included the incorporation of significant structural elements such as the removal of the toll booth structures and the closure and capping of an underground tunnel beneath the roadway. Nick was responsible for designing and detailing the unique horizontal, vertical, and superelevation transition. Nick also assisted with striping, sequence of construction, and quantities.</p> |
| <b>08/19 - 07/24</b>   | <p><b>I-10/LOYOLA INTERCHANGE DESIGN-BUILD   LADOTD   Kenner, LA</b><br/> <b>Drainage Lead/Assistant Roadway Lead.</b> This project serves as a main entrance to the new airport terminal recently constructed for the Louis Armstrong New Orleans International Airport. Nick oversaw the drainage design consisting of subsurface drainage systems along Loyola Drive and the new airport access road, drainage systems/cross drains on I-10, and the extension of two 8'x7' box culverts in Canal 13. He designed horizontal and vertical geometry, graphical grades, and Inroads roadway modeling.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>01/07 - 12/15</b>   | <p><b>BATON ROUGE LOOP IMPLEMENTATION PLAN AND TIER 1 EIS   Baton Rouge, LA</b><br/> <b>Roadway Engineer.</b> Nick assisted with the location and design of the preliminary alternative alignments as well as a detailed cost analysis of the different combinations of corridors. This effort helped refine a preferred alternative, potential impacts, and develop a financial package for the construction of a loop through five parishes, including two crossings of the Mississippi River. Stantec was responsible for the engineering components including corridor selection, traffic modeling, design criteria, typical sections, cost estimates and potential right-of-way and environmental impacts. The project involved extensive coordination with affected agencies including the five parishes, LADOTD, the City of Baton Rouge, FHWA, the Coast Guard and the Corps of Engineers as well as public outreach and public meetings.</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>04/15 - Ongoing</b> | <p><b>LA 30: SOUTH BOULEVARD TO W. CHIMES STREET   LADOTD   Baton Rouge, LA</b><br/> <b>Project Manager and Lead Roadway.</b> Nick oversaw all aspects of the roadway design including horizontal and vertical geometry, roadway modeling, drainage, striping, sequence of construction, and quantities. LA 30, also known as Nicholson Drive, is a commuter route that connects LSU and downtown Baton Rouge. As both a member of the MOVEBR Program Management Team and the Nicholson Drive project manager, Nick worked closely with the City of Baton Rouge Plank-Nicholson Bus Rapid Transit (BRT) project, coordinating bus pad designs, locations, and construction sequencing between both projects. Additional scope would later include the realignment of the Interstate 10 off-ramp to Nicholson Dr. and Highland Rd. and the widening of Oklahoma street from a two-lane to four-lane section. During construction, Nick provided construction services including shop drawing checks, field visits, and RFI responses.</p>                                                                                                                                                                                                                                                                                                                                 |
| <b>11/12 - 03/23</b>   | <p><b>CITY OF BATON ROUGE PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS, FINAL PLANS AND RIGHT-OF-WAY MAPS, CONTRACT NO. 12-CH-HC-0015   Baton Rouge, LA</b><br/> <b>Roadway and Drainage Lead.</b> This project initially included EA and Preliminary Plans for improving 3.4 miles of Perkins Road (LA 427) from the existing, 2-lane roadway to a 4-lane divided curb and gutter roadway with raised median, sidewalk, sewer, and subsurface drainage. During the EA phase, Nick assisted with the alternative analyses, conceptual drainage design, public meeting materials and presentations, and the development of the EA report and documentation. During preliminary plan development, he assisted in all areas of design and plan development including client interaction, drainage design, drainage report, roadway modeling and earthwork analyses using InRoads, quantity calculations, and construction cost estimate. Under the MOVEBR Program, Stantec completed Final Plans using MOVEBR design criteria and is responsible for all final design including roadway and traffic signal plans, subsurface drainage and culvert design, and wetlands permitting.</p>                                                                                                                           |
| <b>07/19 - Ongoing</b> | <p><b>MOVEBR PROGRAM MANAGEMENT   City of Baton Rouge   Baton Rouge, LA</b><br/> <b>Roadway Engineer.</b> Stantec was selected as one of two Program Managers to oversee a specific group of approved projects that propose to relieve traffic congestion and enhance community roadway corridors. As part of the overall program, the Stantec Team will focus on projects that address three different categories: improving existing corridors, community enhancement, and parish-wide signalization / synchronization. The intent of these projects are to improve traffic flow, safety, pedestrian and bicycle mobility, and transit accessibility. The program base value is \$312.6 million, with opportunities to pursue additional funding to optimize the dollars appropriated for this program.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Stantec Consulting Services Inc.                          |                |  |
| NAME                                                     | Joseph "Joey" Lefante, PE, PTOE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER               | 17             |                                                                                    |
| TITLE                                                    | Senior Associate, Traffic Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)        | 0              |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | BS   2008   Civil Engineering                             |                |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PE No. 37244   LA   09/30/2026 // PTOE #3560   11/20/2028 |                |                                                                                    |
| YEAR REGISTERED                                          | PE 2012<br>PTOE 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DISCIPLINE                                                | Civil Engineer |                                                                                    |
| Contract role(s) / brief description of responsibilities | Joey has over 17 years of experience working on major traffic projects, preparing feasibility studies and interchange modification reports and leading improvements through plan design and signal construction. His experience using various analysis software packages, including TransCAD, Synchro, and VISSIM, allows him to determine innovative transportation solutions tailored to each individual situation. Joey will provide <b>TRAFFIC, SAFETY, &amp; FREIGHT/RAIL</b> services for this contract. <b>Joey meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 13</b>                                                                                                                                                                                                                                                                                                           |                                                           |                |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                           |                |                                                                                    |
| 02/25 - Ongoing                                          | <b>DESIGN OF TERMINAL ACCESS ROADS AND E. JUDGE PEREZ DRIVE INTERCHANGE FOR THE LOUISIANA INTERNATIONAL TERMINAL   Port NOLA   Violet, LA</b><br><b>Project Manager.</b> Joey is leading Stantec's design of the entrance to the new Louisiana International Terminal. In addition to final design of the terminal entrance roadways, the project includes a 35% design of a future grade-separated interchange between E Judge Perez Drive and the future St. Bernard LIT Corridor. Joey is responsible for coordinating with the Port on their traffic study and using the outcomes to get the entrance roadway connections permitted, including design and permitting of a new signalized intersection on E. Judge Perez Drive. The traffic entering the terminal was evaluated to determine lane configurations for entering traffic. A complex vehicle mix of container trucks and privately owned vehicles (POVs) required lane separations to allow POV access to continue in times of truck queueing entering the terminal site. |                                                           |                |                                                                                    |
| 05/22 - Ongoing                                          | <b>PORT OF NEW ORLEANS AS-NEEDED TRAFFIC ENGINEERING SERVICES   Port NOLA   New Orleans, LA</b><br><b>Project Manager.</b> Joey is leading an independent review and oversight team for the Port of New Orleans. Initial tasks have included a review of traffic studies performed to date for the new Louisiana International Terminal (LIT) in Violet, LA. Joey's responsibilities include confirming that the traffic studies accurately represent the new terminal's impacts to the surrounding roadway network. He has also assisted in reviewing the Port's projections for future traffic accessing the site.                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                           |                |                                                                                    |
| 03/21 - Ongoing                                          | <b>RIVER DISTRICT   RDNI   New Orleans, LA</b><br><b>Project Manager.</b> Joey led the transportation planning for the River District, a new 45-acre development in downtown New Orleans. Joey performed the master plan traffic study, including a detailed microsimulation model utilizing dynamic routing to model impacts to commuter, Port cruise, and Port cargo traffic. Joey developed transportation alternatives to provide a more efficient flow of traffic through the area. Joey also led a detailed traffic impact study for the development to further refine the roadway mitigation package. The traffic impact study included an 11-hour traffic model which represented traffic changes throughout a typical day of Port cargo traffic.                                                                                                                                                                                                                                                                                |                                                           |                |                                                                                    |
| 02/13 - 12/16                                            | <b>POLAND AVENUE CRUISE TERMINAL   Port of New Orleans   New Orleans, LA</b><br><b>Project Manager.</b> Joey managed traffic engineering services for the Poland Avenue cruise terminal development project. He participated in several meetings with Port staff during the development of a detailed traffic report. He created internal site circulation plans using the results of AutoTURN analyses for multimodal traffic: trucks, buses, taxis, and personal vehicles. He also managed the development of and presented a detailed VISSIM microsimulation model during public workshops to solicit neighborhood input on the proposed cruise terminal plans.                                                                                                                                                                                                                                                                                                                                                                       |                                                           |                |                                                                                    |
| 08/14 - Ongoing                                          | <b>I-49 LAFAYETTE CONNECTOR   LADOTD   Lafayette, LA</b><br><b>Traffic Task Manager.</b> Joey is responsible for coordination with LADOTD traffic staff and managing analysis of various geometric design alternatives. This project includes a comprehensive Vistro model and additional analyses using TransCAD, VISSIM, and Sidra software packages. It follows the Access Justification Request (AJR) guidelines established by LADOTD and FHWA. Joey has been involved in the Context Sensitive Solutions (CSS) process, attending community meetings. Feedback from the CSS process has informed changes to ramp layouts and interchange design and has enabled Stantec to redesign several key elements to emphasize urban design principles, including pedestrian and bicycle accommodations. Joey is responsible for documenting the project to follow LADOTD Traffic Engineering Process and Report (TEPR) Guidelines.                                                                                                         |                                                           |                |                                                                                    |

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| <b>01/09 - Ongoing</b> | <b>I-49 INNER CITY CONNECTOR STAGE 0-1, STUDY &amp; IJR   LADOTD   Shreveport, LA</b><br><b>Lead Traffic Engineer.</b> Performing the NEPA investigations and developing an Interchange Modification Report (IMR) and an Interchange Justification Report (IJR). This 3.5-mile route will provide the final nationwide link of I-49 by connecting the existing I-49/I-20 interchange to the proposed I-49/I-220 interchange. Joey used a Regional Travel Demand Forecasting Model provided by the Northwest Louisiana Council of Governments (NLCOG) to project traffic for each of the future analysis years. He modified the macroscopic model to determine future traffic patterns under three design alternatives representing different interchange combinations and used traffic counts and the projections from the macroscopic model to develop peak hour traffic volumes for each alternative. Joey will input these traffic run analyses using the Highway Capacity Manual to determine which roadway improvements would be necessary for implementation of each alternative. |
| <b>04/11 - 06/15</b>   | <b>I-210 / COVE LANE INTERCHANGE AND ROUNDABOUT   LADOTD   Lake Charles, LA</b><br><b>Lead Traffic Engineer.</b> Joey developed an Interchange Justification Report (IJR) for I-210 between Cove Lane and Nelson Road interchanges on Port of Lake Charles property. He developed peak hour traffic volumes for 28 possible design alternatives, which took into account and accommodated for all future developments in the area, including the Nelson Road Bridge over Contraband Bayou and the Ameristar Casino and Hotel development north of I-210. Joey coordinated the collection of traffic counts and performed field calibration of the traffic models by collecting data such as queues and travel times. Once the alternatives were narrowed down to the final, Joey performed HCS and SIDRA analyses on over 50 locations per alternative. The recommended alternative included innovative interchange configurations including roundabout ramp terminals at Cove Lane and a Diverging Diamond Interchange (DDI) at Nelson Road.                                           |
| <b>11/10 - Ongoing</b> | <b>NELSON ROAD EXTENSION AND BRIDGE   LADOTD Contract No. H.005967   Lake Charles, LA</b><br><b>Traffic Engineer.</b> Joey ran traffic analyses for the different bridge tie-ins being studied. Also included in the traffic analysis was a consideration of the impact of the bridge on the surrounding roadway network. The Regional Travel Demand Model was modified in TransCAD to determine the effects of the bridge construction. Joey will be providing Traffic construction support for the project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>08/14 - 08/19</b>   | <b>W. PRIEN LAKE ROAD RELOCATION   LADOTD   Lake Charles, LA</b><br><b>Lead Traffic Engineer.</b> Joey led traffic services on this project that featured a new signalized intersection at the relocated roadway and Nelson Rd., which required Stantec to develop traffic signal warrants, signal timing analyses and signal plans. Since the improvements impacted certain areas near the Nelson Rd. Interchange at I-210, Stantec developed a Level 2 TMP document. This project improved traffic flow in this very congested area of Southwest Lake Charles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>08/19 - 07/24</b>   | <b>I-10/LOYOLA INTERCHANGE DESIGN-BUILD   LADOTD Contract No. H.011670   Kenner, LA</b><br><b>Traffic Engineer.</b> Joey performed VISSIM analyses of an Alternative Technical Concept (ATC) consisting of two new flyover ramps leading to/from the Airport on the east side of the interchange and the first Diverging Diamond Interchange (DDI) in Louisiana. Joey completed an IMR to meet FHWA access policy standards to move the project forward on the accelerated design-build schedule. Joey is also leading the traffic signal design effort, including specialized DDI operations, lane closure analyses, transportation management plan and complete street accommodations such as sidewalks and a two-way cycle track.                                                                                                                                                                                                                                                                                                                                                    |
| <b>01/12 - 12/17</b>   | <b>GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN   LADOTD   Baton Rouge, LA</b><br><b>Lead Traffic Engineer.</b> Joey served as Traffic Analyst responsible for examining improvements to increase safety and access management on Government Street between I-110 and Jefferson Highway. Stantec evaluated traffic data, developed conceptual alternatives, and accounted for the LADOTD Complete Street Policy. Joey collected traffic data and developed models in VISSIM, Synchro, and SIDRA to analyze different operational improvements alternatives. Joey also prepared materials for and participated in public meetings under the LADOTD public involvement process. Joey also prepared permanent and temporary signal plans.                                                                                                                                                                                                                                                                                                                                       |
| <b>05/13 - 03/19</b>   | <b>ESSEN LANE WIDENING   LADOTD   Baton Rouge, LA</b><br><b>Lead Traffic Engineer.</b> Joey was responsible for traffic signal plans for four intersections along Essen Lane that were impacted by the widening. Traffic signal plans consist of providing all new traffic signal equipment along with fiber optic communications between the traffic signals. Multiple site visits were held to ensure feasibility of traffic signal equipment locations and avoid interference with utilities. Plans were developed according to the latest MUTCD, LADOTD and City of Baton Rouge Standards and Specifications. This project required coordination with Stantec's Roadway group, LADOTD, and the City of Baton Rouge.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>09/08 - 04/10</b>   | <b>LOUISIANA STATEWIDE CFI STUDY FOR LADOTD   LADOTD   Statewide, LA</b><br><b>Project Engineer.</b> Joey performed the VISSIM analysis for the ten alternatives. Each intersection included VISSIM models representing a no build condition, traditional intersection improvements, a roundabout, and a CFI treatment. Stantec performed a statewide CFI Study for the LADOTD. Stantec assessed 30+ intersections as potential CFI conversion candidates, as well as other innovative intersection alternatives. This included performing field visits and initial screening measures to reduce the 30+ to 10 potential options. Stantec then performed conceptual intersection design, safety analysis, traffic analysis (using VISSIM), and cost estimates for five intersections chosen and presented this information to LADOTD.                                                                                                                                                                                                                                                   |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Stantec Consulting Services Inc.                            |                |  |
| NAME                                                     | Joseph Barker, PE, PTOE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                 | 8              |                                                                                    |
| TITLE                                                    | Traffic Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)          | 6              |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | BS   2011   Civil Engineering                               |                |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PE #40664   LA   09/30/2026 // PTOE #4364   LA   11/20/2026 |                |                                                                                    |
| YEAR REGISTERED                                          | PE 2016 / PTOE 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DISCIPLINE                                                  | Civil Engineer |                                                                                    |
| Contract role(s) / brief description of responsibilities | Joseph has 14 years of experience in transportation planning and traffic engineering. He specifically has interest in sustainable transportation planning, urban mobility, tactical urbanism, equitable placemaking, and the promotion of active modes of transportation. Joseph will provide <b>TRAFFIC, SAFETY, &amp; FREIGHT/RAIL</b> services for this contract.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                             |                |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                             |                |                                                                                    |
| 08/19 - 07/24                                            | <b>I-10/LOYOLA INTERCHANGE DESIGN-BUILD   LADOTD Contract No. H.011670   Kenner, LA</b><br><b>Traffic Engineer.</b> Joseph assisted with the signal design services for what will be one of the first diverging diamond interchanges in the State of Louisiana. Completed signal layouts, design plans, and signal timings. The project consists of a Diverging Diamond Interchange, in addition to flyover ramps leading to/from the Airport on the east side of the interchange.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                             |                |                                                                                    |
| 01/18 - Ongoing                                          | <b>ROUGH EDGE ROAD INTERCHANGE   City of Ruston   Ruston, LA</b><br><b>Traffic Engineer.</b> Traffic impact study for an upgraded bypass corridor through southeast Ruston and a proposed interchange at the intersection of I-20 and Rough Edge Road in Lincoln Parish. Joseph provided traffic engineering services including, but not limited to, growth rate determination, traffic forecasting, trip distribution, trip generation, origin-destination analysis, peak period/hour determination, Vistro modeling, project research, technical writing/documentation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                             |                |                                                                                    |
| 02/18 - Ongoing                                          | <b>I-49 LAFAYETTE CONNECTOR   LADOTD   Lafayette, LA</b><br><b>Traffic Engineer.</b> Responsible for traffic analysis and environmental documentation of various geometric design alternatives. Project includes a comprehensive Vistro model and additional analyses using TransCAD, VISSIM, and Sidra software packages. Project follows the Access Justification Request (AJR) guidelines established by LADOTD and FHWA. Joseph has been involved in the Context Sensitive Solutions (CSS) process that has allowed for informed changes to ramp layouts and interchange design and has enabled Stantec to redesign several key elements through a Tiered Analysis approach to emphasize urban design principles, including pedestrian and bicycle accommodations. Joseph is documenting the project to follow the LADOTD Traffic Engineering Process and Report (TEPR) guidelines.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                             |                |                                                                                    |
| 04/22 - Ongoing                                          | <b>AIRLINE HIGHWAY SOUTH STUDY   Baton Rouge, LA</b><br><b>Traffic Engineer.</b> Airline Highway (US 61), in the project area, is six lanes between Bluebonnet Boulevard and Cedarcrest Avenue. South of Cedarcrest Avenue, Airline Highway transitions from a six-lane roadway to a four-lane roadway, which continues to the East Baton Rouge/Ascension Parish Line. The City-Parish has directed that Phase 1 of the project shall consist of studies associated with improvements from south of the Airline/Siegen CFI to Bluebonnet Boulevard. Between the CFI to Industriplex Boulevard, Phase 1 will transition to two through lanes in each direction to match the existing NB and SB section beyond Industriplex. Joseph is responsible for performing traffic engineering services in accordance with the LADOTD TEPR process including, but not limited to, peak period/hour determination, peak period observations, future volume projections, existing analysis, alternative analysis, microsimulation, signal timing/optimization, and documentation.                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                             |                |                                                                                    |
| 06/25 - Ongoing                                          | <b>LSU PEDESTRIAN SAFETY TRAFFIC STUDY   Baton Rouge, LA</b><br><b>Traffic Lead.</b> The LSU Pedestrian Safety Traffic Study evaluated geometric, operational, and multimodal safety deficiencies along the Nicholson Drive corridor adjacent to Louisiana State University, where high pedestrian volumes, particularly during major sporting events, combine with high speed traffic and missing pedestrian infrastructure to create significant safety risks. The study assessed conditions at the Burbank Drive and S. Quad Drive intersections and a potential midblock crossing location, documenting skewed geometry, absence of marked crosswalks, non ADA compliant facilities, and signal timings lacking adequate vehicle and pedestrian clearance intervals. As the traffic lead, Joseph directed all concept development, technical analysis, and documentation for the study, including evaluating crosswalk feasibility, performing clearance time calculations for modified stop bar locations, reviewing operational impacts through Synchro modeling, and applying FHWA STEP guidance to identify appropriate midblock countermeasures such as PHBs, refuge islands, and high visibility treatments. Joseph ensured that geometric layouts, pedestrian phase timing, operational modeling, and final recommendations complied with AASHTO, ADA, and FHWA criteria while balancing pedestrian accommodation with corridor performance and event day operational constraints. |                                                             |                |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Stantec Consulting Services Inc.                                                                                            |                                                    |  |    |
| NAME                                                     | Stephen Mensah, PhD, PE, PTOE, RSP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | 14 |
| TITLE                                                    | Senior Associate, Traffic and ITS Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                             | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | 5  |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PhD   2007   Civil Infrastructure Systems in Transportation; MS   2002   Civil Engineering // BS   1998   Civil Engineering |                                                    |                                                                                    |    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PE #38591   LA   09/30/2026 // PTOE #3960   LA   11/18/2027 // Road Safety Professional #153   12/21/2027                   |                                                    |                                                                                    |    |
| YEAR REGISTERED                                          | 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DISCIPLINE                                                                                                                  | Civil Engineer                                     |                                                                                    |    |
| Contract role(s) / brief description of responsibilities | Stephen serves as a traffic engineer with expertise in traffic analysis, traffic safety, design and operations. Work experience includes highway safety analysis, traffic impact studies, systems engineering analysis, development of regional ITS architectures and traffic signal design. As Lead Systems Analyst, he analyzes and evaluates systems and makes recommendations to clients for cost effective systems to meet their needs. He has previously served as a member of the TRB Committee for Application of Emerging Technologies to Design and Construction evaluating emerging technologies for transportation design and construction. He reviews and critiques research papers, assesses the methodology and validity of research work and provides recommendations for publication. Stephen will provide <b>TRAFFIC, SAFETY, &amp; FREIGHT/RAIL</b> services for this contract. |                                                                                                                             |                                                    |                                                                                    |    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                             |                                                    |                                                                                    |    |
| 08/14 - 08/21                                            | <b>I-49 LAFAYETTE CONNECTOR   LADOTD   Lafayette, LA</b><br><b>Safety Analyst</b> responsible for the safety analysis of interchange designs providing inputs for crash mitigation. Stephen is also responsible for developing the system engineering analysis for deployment of ITS devices in the corridor. Extension of the I-49 corridor through the City of Lafayette has been proposed and Stantec is tasked with reviewing and developing the proposed roadway alignment.                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                             |                                                    |                                                                                    |    |
| 02/21 - 12/24                                            | <b>ATCMTD GRANT PROJECT FOR ICM DSS   TDOT   Nashville, TN</b><br><b>System Engineering Analyst.</b> TDOT was awarded an ATCMTD Grant from USDOT with a goal of deploying an integrated corridor management (ICM) decision support software (DSS). Project replaced traffic simulation model with artificial intelligence, creating a proof of concept that can be duplicated in other corridors around the United States. Stephen contributed to development of the Data Management Plan, Project Evaluation Plan to help USDOT and TDOT analyze evaluate the benefits of the AI-DSS in ICM applications. Stephen used existing operations data to baseline various performance metrics that were used to evaluate the performance of various operation strategies that included variable speed limit signs, lane control signals and surface street signal operations and timing.                |                                                                                                                             |                                                    |                                                                                    |    |
| 06/23 - 09/24                                            | <b>I-10 BONNET CARRE ITS UPGRADES   LADOTD Contract No. H.015137   Lafayette, LA</b><br><b>Systems Engineer</b> was responsible for performing a project level SEA for the ITS deployment in LaPlace to Kenner, LA involving stakeholders from LADOTD HQ, District 02 & 62, MPO, and State Police. An SEA report, SET-IT files, and 30% plans will be delivered at the project completion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                             |                                                    |                                                                                    |    |
| 12/21 - 03/23                                            | <b>ATMS AND 511 SEA   LADOTD CONTRACT H.014515   Statewide, LA</b><br><b>Systems Engineer</b> responsible for the systems engineering analysis to determine the requirements for a new ATMS to manage LADOTD's ITS devices and provide incident management as well as the requirements for a new 511 system to provide traveler information. SEA process included significant stakeholder engagement, TMC operator interviews about the existing systems, vendor demos, and concept of operations workshops. Stephen drew on over 10 years of experience with developing architectures and SEA documents for LADOTD to frame the end-user needs. Results of the SEA are being utilized to develop detailed requirements and an RFP procurement document for a hybrid cloud/on-prem system.                                                                                                         |                                                                                                                             |                                                    |                                                                                    |    |
| 02/19 - 09/19                                            | <b>I-10: US 61 TO LAPLACE ITS   LADOTD CONTRACT H.013710   LaPlace, LA</b><br><b>Systems Engineer.</b> Stephen was responsible for performing a project level SEA for the ITS deployment in LaPlace involving stakeholders from LADOTD HQ, Districts 61 & 62, MPO, and State Police. An SEA report, SET-IT files, and 30% plans were delivered at the project completion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                             |                                                    |                                                                                    |    |
| 10/12 - 02/16                                            | <b>US 90Z NEW ORLEANS HOSPITALITY ZONE   LADOTD   New Orleans, LA</b><br><b>TSMO Engineer.</b> Stephen performed safety analysis to determine the abnormal crash zones and overrepresented crashes in the crash data for the project scope to improve mobility and safety in downtown NOLA by deploying ITS to manage traffic. Analysis yielded inferences on the causative issues for crashes in the corridor and the countermeasures required to mitigate them. Analysis outcomes informed the TMP required to manage traffic during construction and successfully deploy ITS devices to enhance mobility and safety. An effective TMP is required to ensure road user and construction worker safety and reduce client exposure to litigation from crashes.                                                                                                                                     |                                                                                                                             |                                                    |                                                                                    |    |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                                    |                                                                                    |    |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Stantec Consulting Services Inc. |                                                    |  |    |
| NAME                                                     | Phil Eshelman                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                  | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | 6  |
| TITLE                                                    | Principal, Transportation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | 16 |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  | BA   1998   Economics                              |                                                                                    |    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  | N/A                                                |                                                                                    |    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DISCIPLINE                       | N/A                                                |                                                                                    |    |
| Contract role(s) / brief description of responsibilities | Phil has over 20 years of experience managing complex transportation planning programs focused on the delivery of traffic and revenue services to public agencies. These include all levels of analysis from sketch to investment grade with his studies supporting the sale of billions of dollars in revenue bonds based on his forecasts. He is adept at all aspects of demand and revenue analysis including data collection, data analysis, market research, stated and revealed preference analysis, travel demand modeling, toll diversion modeling, risk analysis, sensitivity testing, and presentations to Boards, rating agencies and investors. He has managed analysis for legacy facilities with long history of transactions and greenfield facilities that are breaking new ground, including facilities with dynamically priced tolls to manage traffic and/or optimize revenue. Phil will provide <b>INTERMEDIATE TOLL ANALYSIS</b> services for this contract.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |                                                    |                                                                                    |    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  |                                                    |                                                                                    |    |
| 08/12 - 04/26                                            | <b>TXDOT, PROJECT FINANCE TOLL OPERATIONS DIVISION, TRAFFIC AND REVENUE CONTRACTS   Statewide, TX</b><br><b>Lead T&amp;R Specialist and Project Manager</b> of various traffic and revenue related analyses for programs across the State. Worked with the many divisions within TxDOT and the Austin, Dallas, Houston, El Paso, and Laredo Districts. <i>Central Texas Turnpike System T&amp;R Studies</i> : Project Manager, Deputy Project Manager and Lead T&R Specialist for multiple T&R studies on the CTTS corridor leading model calibration efforts, reviews of existing and future improvements, impacts of adjacent concession projects, analysis of fee revenue from non-Tag transactions, operational analysis, and many other disciplines to ensure CTTS T&R forecasts are accurate and documentation is compliant with Bond Indentures, providing effective disclosure documents for TxDOT. Currently conducting an investment grade study to support widening and extension capital programs on the system. <i>SH 130 5 &amp; 6 Negotiations</i> : Project Manager for negotiations of changes to comprehensive development agreement that allows for 50-year collection of toll revenues on subject project. Provides T&R, development, and tolling back-office analysis to ensure that TxDOT is providing the most efficient contract terms to provide mobility in the region. Analysis includes contract time extensions, changes in toll policies, and revenue sharing agreements. <i>SH 288 Level 2 T&amp;R Study and on-going procurement support</i> : Project manager developing intermediate level traffic and revenue study to support the full concession procurement in which demand and revenue risk was transferred to the private sector. Developed forecasting models to predict estimated toll revenues from developers, coming within 5 percent of winning bid. Managed the entire forecasting process from use of the HGAC travel demand model, conversion to our toll diversion model, post processing for calibration purposes, and extensive sensitivity testing to assess potential ranges of revenue outcomes as a function of risk tolerance. Presented T&R study to TIFIA for draft term sheets in advance of financing from the developers. <i>Various sketch level analyses*</i> : Project manager for various sketch level analyses that used existing and readily available data to determine toll feasibility of corridors. These included US 290, SH 249, and SH 35 in Houston and LBJ East in the Dallas area. For Houston area projects the HGAC model was the starting point, with conversion to our toll diversion model platform, and market share model analysis for the express lanes adjacent to toll-free limited access facilities. These sketch level analysis allowed for screening of projects to either proceed into the next phase of development or deferred awaiting strong financial feasibility as a function of growth in the region. |                                  |                                                    |                                                                                    |    |
| 01/24 - 11/25                                            | <b>FORT BEND COUNTY TOLL ROAD AUTHORITY AND FORT BEND GRAND PARKWAY TOLL ROAD AUTHORITY, MULTIPLE T&amp;R STUDIES</b><br><b>Project Manager</b> for a sketch level and Level 2 T&R study for the existing and proposed toll system in Fort Bend County. The analysis includes detailed review of existing and future demographics driving demand in the corridors, review of existing and future transportation networks, analysis of volume, speed, and origin/destination by time of day for toll diversion model calibration and forecasting of T&R across three existing and future extension of toll facilities, Fort Bend Parkway, Westpark Tollway, and Grand Parkway. Results are presented to staff, Boards, and stakeholders to provide input into the timing and level of transportation improvements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |                                                    |                                                                                    |    |
| 03/21 - 12/25                                            | <b>METROPOLITAN WASHINGTON AIRPORTS AUTHORITY, COMPREHENSIVE TRAFFIC AND REVENUE SERVICES</b><br><b>Project Manager</b> for this multi-year master services agreement to provide traffic and revenue studies for MWAA facilities including the Dulles Toll Road which accesses the Dulles International Airport. Led investment-grade revenue study to support the refinancing of \$739M in bonds. The analysis included data collection, model development and calibration, customer surveys, and forecasts with sensitivity tests to support the financing efforts. Conducted price sensitivity analysis to understand potential future toll and fee schedules on demand and revenue generation. Developed and presented the documentation of the analysis to rating agencies and stakeholders.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  |                                                    |                                                                                    |    |

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| <b>04/17 -<br/>Ongoing</b> | <b>TAMPA-HILLSBOROUGH EXPRESSWAY AUTHORITY, TRAFFIC AND REVENUE CONTRACT</b><br><b>Lead T&amp;R Specialist and Project Manager</b> for all aspects and levels of traffic and toll revenue studies: Selmon Expressway, Investment Grade T&R Study: Led the conduct of investment grade T&R study to support the financing of the Selmon Extension. Oversaw data collection and built forecasting models to predict various build scenarios. Developed documentation and presented to rating agencies. Annual Certifications and Reporting: Provide annual certifications that toll revenue will cover necessary costs and debt service per indenture requirements, toll indexing certifications, and annual report data and narrative. Toll Schedule Analysis: Led analysis to determine optimized toll schedule as a function of leakage and costs related to toll collection. Presented results to executive staff and Board members providing next steps to implement a more equitable toll schedule. Sketch Level Analyses: Led multiple sketch level analyses to determine financial feasibility of various corridors in the Tampa region if they were developed as toll roads under multiple toll policy options. Other ad-hoc analysis including legislative support, level of service analysis, etc. |
| <b>01/20 -<br/>Ongoing</b> | <b>STATE ROAD AND TOLL AUTHORITY, ATLANTA, GA, T&amp;R ADVISORY SERVICES</b><br><b>Project Manager</b> for this multi-year master services agreement to provide traffic and revenue studies for various express lane projects either in operation or in development. Completed are six managed lane sketch level traffic and toll revenue studies that form a system of managed lanes in the Atlanta region. The activity-based travel demand model from ARC, the MPO, was updated to include the proposed infrastructure to develop overall corridor demand by project. These data were then used as input into corridor specific managed lane models that were calibrated to both traffic and speeds by hour. The models were adaptable to handle various toll policies and infrastructure changes to optimize the facilities as a function of mobility and financial feasibility. Results were presented to multiple stakeholders for ultimate delivery of the projects.                                                                                                                                                                                                                                                                                                                                 |

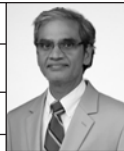
|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                     |     |                                                                                     |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Stantec Consulting Services Inc.                                    |     |  |
| NAME                                                     | Jun Yao                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                         | 15  |                                                                                     |
| TITLE                                                    | Associate, Transportation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                  | 6   |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MS   2005   Transportation // BS   2002   Mathematic and Statistics |     |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | N/A                                                                 |     |                                                                                     |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DISCIPLINE                                                          | N/A |                                                                                     |
| Contract role(s) / brief description of responsibilities | Jun has 20 years of experience, with specialized skills in Cube Voyager, TransCAD, VISUM and VISSIM. He holds a masters degree in civil engineering, with an emphasis in travel demand forecasting and traffic operations. He was the lead analyst of many traffic and revenue (T&R) studies (including Level I, Level II and Investment Grade studies) serving clients in California, Georgia, Texas, North Carolina, and Washington. He was the lead modeler responsible for demand estimation for more than ten Vissim simulation projects. He also leads efforts requiring big data analysis capability by developing customized programs using python, VBA macro and SQL. His hands-on experience also includes regional model development and calibration, special generator model development and calibration, mesoscopic and micro-simulation modeling, traffic operation analyses, risk analysis and GIS applications. Jun will provide <b>INTERMEDIATE TOLL ANALYSIS</b> services for this contract.                                                                                                                                                                                                                                                |                                                                     |     |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                     |     |                                                                                     |
| 05/23 - 11/24                                            | <b>CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY (CTRMA) 183N MANAGED LANE INVESTMENT GRADE STUDY   CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY   Austin, TX</b><br><b>Transportation Modeler</b> responsible for refining and calibrating the model framework that was developed as a part of the Central Texas Turnpike projects. He was also responsible for QA/QC the whole modeling process, including demographic updates, highway network updates, as well as new modeling targets. In addition to the traditional classification counts and speed runs, the team also utilized the Origin-destination data from SkyComp, speed data from Inrix and SigAlert. He led the calibration efforts on both regional and subarea level TDM model, ran future year TDM models; produced Traffic and Revenue forecast and prepared summary tables for the report.                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                     |     |                                                                                     |
| 05/21 - 01/23                                            | <b>2010, 2012, 2014, 2018, 2022 CENTRAL TEXAS TURNPIKE SYSTEM (CTTS) UPDATE PROJECT   Austin, TX</b><br><b>Lead Modeler</b> responsible for preparing and running two regional models and combining them into one integrated Toll Diversion Model. The two regional models, CAMPO-Austin Model and San Antonio Regional Model were developed within TRANSCAD environment. The integrated model was developed using Cube Voyager software package. His responsibilities included the preparation of the highway network, the transit network and the socioeconomic data; external traffic adjustments; the conversion of the highway network and trip tables between the TransCAD and CUBE formats, base year calibration; preparing and running future year TDM models; producing final Traffic and Revenue forecast and preparing summary tables for a final report. In the latest 2022 update, the model was calibrated a pre-covid 2019 base year model, and a "new normal" adjustment was implemented to account for long-term post-COVID travel behavior shifts. Notably, the TDM calibration extended beyond traditional volume and congested speed targets, incorporating streetlight data for a more comprehensive understanding of traffic patterns. |                                                                     |     |                                                                                     |
| 06/24 - 01/25                                            | <b>STATE ROAD AND TOLLWAY AUTHORITY (SRTA) T&amp;R ON-CALL   Atlanta, GA</b><br><b>Lead Modeler</b> responsible for the model calibration, future year T&R forecast model platform, and sensitivity analysis for several Level-2 and Investment Grade projects, including NWC, I-85 extension, I-75 S, GA 400, and I-285 MMIP. The analysis was performed using the latest Activity-Based Model (ABM) from ARC. The demand matrix and income information by trip purpose were extracted ABM model with a customized process. On the toll diversion modeling side, multiple corridor level calibrations were performed. One calibration is for the existing study corridor, with the focus on traffic pattern along the corridor. Another calibration is for the existing I-85 express lanes, with the focus on the toll diversion aspects of the model. Future year toll diversion model was prepared by integrating the knowledge from both corridor level calibrations. In addition to the traditional calibration targets of traffic counts and congested speed, the O-D information was also utilized to better replicate the ramp on/off pattern.                                                                                                        |                                                                     |     |                                                                                     |
| 07/19 - 06/20                                            | <b>I-405 EXPRESS LANES T&amp;R STUDY   Seattle, WA</b><br><b>Lead Analyst</b> who was responsible for the model calibration, future year T&R forecast model platform, and sensitivity analysis. The analysis started from PSRC regional model in EMME. A subarea extraction was performed in EMME to get trip tables for the core study area including I-405 and SR 167. A more focused calibration was done in the subarea level using Cube platform. The unique dynamic entry-exit tolling scheme of I-405 Managed Lane and open gantry tolling of SR-167 HOT Lane were both incorporated in the toll diversion model during the subarea level calibration. In the future year forecasting models, existing I-405 ML, I-405 ML extension and SR-167 were consolidated into a unified entry-exit dynamic tolling system, while the traffic and revenue forecasts were prepared for each section separately.                                                                                                                                                                                                                                                                                                                                                  |                                                                     |     |                                                                                     |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Stantec Consulting Services Inc.                                                                 |                   |  |
| NAME                                                     | Sean Tihal, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                      | 13                |                                                                                     |
| TITLE                                                    | Senior Principal, Transportation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                               | 13                |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MS   1999   Civil Engineering (Transportation) // BS   1998   Civil Engineering (Highest Honors) |                   |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PE No. 084025   NY   07/31/2026                                                                  |                   |                                                                                     |
| YEAR REGISTERED                                          | 2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DISCIPLINE                                                                                       | Civil Engineering |                                                                                     |
| Contract role(s) / brief description of responsibilities | Sean has a passion for helping transportation agencies plan, implement, and operate all forms of innovative electronic tolling technologies for roadside and back-office tolling systems. For over 24 years, he has delivered tolling projects for over 30 transportation agencies across the United States, Canada, and Europe. Sean is also well-versed in performing toll strategic planning studies, toll feasibility studies, toll capital and operating cost estimates (CAPEX and OPEX), toll operations analyses, toll pricing and toll payment analyses. Sean is actively involved in the International Bridge Tunnel and Turnpike Association (IBTTA) and is a co-leader for the Finance Track of the IBTTA Emerging Technologies Committee Artificial Intelligence Strike Team. He has also served on the E-ZPass Group's Reciprocity Task Force for over 20 years. Sean will provide <b>INTERMEDIATE TOLL ANALYSIS</b> services for this contract. |                                                                                                  |                   |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                  |                   |                                                                                     |
| 09/25 - Ongoing                                          | <b>NEW HAMPSHIRE DOT TOLL CONSULTING SERVICES   New Hampshire DOT   Statewide, New Hampshire</b><br><b>Project Manager.</b> Sean is currently providing toll consulting services to the New Hampshire DOT. Current work efforts involve preparing a Request for Proposals for a new commercial back office system and operational services. Previous work efforts include developing a Request for Information for commercial back office systems and operational services, a vehicle classification change study, and a white paper to provide guidance on the procurement and implementation aspects of a new commercial toll back-office system and operations.                                                                                                                                                                                                                                                                                            |                                                                                                  |                   |                                                                                     |
| 09/22 - 02/24                                            | <b>OREGON DOT GENERAL TOLL CONSULTANT   Oregon DOT   Portland, OR</b><br><b>Senior Toll Specialist.</b> Sean provided toll advisory services to the Oregon DOT to procure back-office and roadside tolling systems to support multiple future toll projects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                  |                   |                                                                                     |
| 11/19 - 12/24                                            | <b>OHIO TURNPIKE TOLL COLLECTION SYSTEM (TCS) AND CUSTOMER SERVICE CENTER (CSC) MODERNIZATION   Berea, OH</b><br><b>Program Manager.</b> Sean led a team that provided technical consulting services to the Ohio Turnpike and Infrastructure Commission to implement and operate a new TCS and CSC to support non-stop travel in E-ZPass lanes on the Ohio Turnpike. Specific work activities include oversight of the system design, development, integration, testing, and go-live activities, identification and reporting of performance issues, and independent validation of the TCS and CSC performance, including the detection, tracking, and resolution of issues that impact revenue and operations.                                                                                                                                                                                                                                               |                                                                                                  |                   |                                                                                     |
| 10/24 - 10/25                                            | <b>CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY, PAY BY MAIL TOLL OPERATIONS COST ANALYSIS</b><br><b>Senior Toll Consultant.</b> Sean led a team that performed a cost analysis of various pricing models to support CTRMA's upcoming Pay by Mail vendor procurement. Work efforts involved review and development of multiple pricing models, assessments of capital expenditures, fixed and variable O&M costs, and a model based on sharing toll and fee revenues. Stantec recommended a preferred pricing structure for CTRMA, ways to incentivize the vendor to collect tolls earlier, and improvements to the pricing forms and proposal evaluation scoring.                                                                                                                                                                                                                                                                                               |                                                                                                  |                   |                                                                                     |
| 02/23 - Ongoing                                          | <b>ILLINOIS TOLLWAY TOLLING INNOVATION AND BUSINESS STRATEGY SERVICES   Downers Grove, IL</b><br><b>Program Manager.</b> Sean is currently providing tolling innovation and business strategy services to the Illinois Tollway's Department of Business Systems to support their roadside and back office electronic tolling operations. Specific work activities performed thus far include overall program management, google analytics, data analytics, tolling innovation research, business rules review, back office risk assessment, ANPR innovation research, ANPR procurement, violations enforcement support, back office system procurement support, payment processing procurement support, database optimization, cost model development, and unregistered vehicle identification solutions research, and national interoperability initiatives.                                                                                                 |                                                                                                  |                   |                                                                                     |
| 05/19 - 03/26                                            | <b>KANE COUNTY DOT LONGMEADOW PARKWAY TOLL BRIDGE OPERATIONS SUPPORT SERVICES   Kane County, IL</b><br><b>Project Manager.</b> Sean led a team that provided toll consulting services to the Kane County DOT to support the implementation of cashless all-electronic tolling for the Longmeadow Parkway Toll Bridge. Work efforts performed include strategic planning, preparing various financial and budgetary capital and operating cost estimates over 10 years, developing toll policies and business rules to reduce operating costs and optimize net revenues, preparing separate RFPs and contract documents for a roadside tolling system and back office system, procurement support, selection and contract negotiations support, followed by program management oversight of the roadside and back office design and development and testing efforts.                                                                                           |                                                                                                  |                   |                                                                                     |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Stantec Consulting Services Inc.                                 |                |  |
| NAME                                                     | Todd DeMunda, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                      | 6              |                                                                                     |
| TITLE                                                    | Senior Coastal Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)               | 14             |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ME   2006   Coastal Engineering // BS   2004   Ocean Engineering |                |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PE #71585   FL   02/28/2027                                      |                |                                                                                     |
| YEAR REGISTERED                                          | 2010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DISCIPLINE                                                       | Civil Engineer |                                                                                     |
| Contract role(s) / brief description of responsibilities | Todd has 20 years of experience in research and applied coastal engineering, serving private and public clients across the United States and abroad, with a focus on two- and three-dimensional hydrodynamic, wave, and sediment transport numerical modeling in coastal, estuarine, and offshore environments. He has extensive experience with model planning and development, calibration/validation, incorporating measured and modeled oceanographic and meteorological data from local to global scales, performing analyses of coastal hydrodynamics, and developing management and infrastructure solutions to both short- and long-term climate events and changes. His project portfolio includes experience with offshore wind farms and their associated activities and infrastructure, shoreline protection, habitat and marsh restoration, and coastal resiliency. Todd will provide <b>HYDRAULICS AND HYDROLOGY MODELING</b> services for this contract. |                                                                  |                |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                |                                                                                     |
| 01/22 - 08/22                                            | <b>SR A1A OVER SEBASTIAN INLET - BRIDGE HYDRAULICS AND SCOUR   FDOT   Nashville, TN</b><br><b>Coastal Engineer.</b> As part of the redesign of the SR A1A bridge over Sebastian Inlet in the east coast of Florida, Todd was part of the coastal engineering team responsible for developing the Bridge Hydraulic Report (BHR) describing the hydrodynamic and scour conditions of the bridge location during existing, construction, and post-construction conditions. This analysis included the development of a 2D ADCIRC model driven by design storm surge hydrographs to determine local hydrodynamic characteristics during extreme storm events and the associated contraction and pier scour using the FDOT Bridge Scour Manual and related tools.                                                                                                                                                                                                            |                                                                  |                |                                                                                     |
| 01/21 - Ongoing                                          | <b>SCDOT BRIDGE SCOUR ANALYSIS   SCDOT   Statewide, SC</b><br><b>Task Manager.</b> Stantec was contracted by the State of South Carolina to conduct scour analyses and mitigation plan-of-action reports for over 200 bridges in the state following FHWA guidance. As task manager of this effort, Todd coordinated staff resources, performed QA/QC of scour and hydraulic analyses, and assisted with the development and planning of the analytical process and methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  |                |                                                                                     |
| 01/15 - 10/15                                            | <b>BRIDGE HYDRAULIC REPORT STATE ROAD 292   FDOT   Perdido Key, FL</b><br><b>Hydraulics Engineer.</b> Developed a coupled ADCIRC+SWAN model, driven by satellite-derived hindcast wind fields from Oceanweather, Inc.'s GROW2012 model, to simulate various return period hurricanes on the Florida Panhandle to determine design flood levels and current velocities in support of a new bridge design along a hurricane evacuation route between Perdido Key and the mainland. Model results were used to estimate peak water levels, current magnitudes, and bridge piling scour to support the structural design team.                                                                                                                                                                                                                                                                                                                                              |                                                                  |                |                                                                                     |
| 03/18 - 05/19                                            | <b>COOPER'S BAYOU CIRCULATION ENHANCEMENTS   FDOT   Clearwater, FL</b><br><b>Coastal Engineer.</b> Developed a Delft3D hydrodynamic and constituent transport model to simulate the flushing and dispersion of stormwater inflows under both existing conditions and a selection of potential hydraulic modifications within Cooper's Bayou in western Old Tampa Bay, including channel enhancement, dredging, and causeway modifications. Model results will help inform the potential for improving water quality and restoring seagrass beds in Cooper's Bayou.                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                |                                                                                     |
| 05/23 - Ongoing                                          | <b>FDOT LONG KEY BRIDGE BHR   FDOT District 6   Florida</b><br><b>Task Manager Engineer.</b> As part of the redesign of Long Key Bridge in the Florida Keys, Todd was part of the coastal engineering team responsible for developing the Bridge Hydraulic Report (BHR) describing the hydrodynamic and scour conditions of the bridge location during existing, construction, and post-construction conditions. This analysis included the development of a 2D ADCIRC model driven by design storm surge hydrographs to determine local hydrodynamic characteristics during extreme storm events and the associated contraction and pier scour using the FDOT Bridge Scour Manual and related tools.                                                                                                                                                                                                                                                                   |                                                                  |                |                                                                                     |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                       |                |                                                                                     |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stantec Consulting Services Inc.                                                                      |                |  |
| NAME                                                     | Daniel "Dan" Grandal, PE, LEED AP, CFM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                           | 27             |                                                                                     |
| TITLE                                                    | Vice President, Regional Delivery Lead, US South - Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                                    | 6              |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BS   1993   Civil Engineering, Minor in Environmental Engineering                                     |                |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PE #39361   LA   3/31/2027 // Certified Floodplain Manager #US0803742 // LEED Accredited Professional |                |                                                                                     |
| YEAR REGISTERED                                          | 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DISCIPLINE                                                                                            | Civil Engineer |                                                                                     |
| Contract role(s) / brief description of responsibilities | Dan has 33 years of experience managing and delivering a wide range of civil and water infrastructure projects that include significant drainage, flood control, conveyance, and coastal resiliency efforts. He has worked on multi-billion-dollars' worth of critical coastal, environment, and flood protection projects throughout the Southern U.S. As a recognized expert in resilient design and disaster recovery and preparedness, Dan has helped communities throughout the Gulf Coast build resiliency toward extreme weather and climate change through the design and construction of key flood control and coastal protection infrastructure—including one of the largest stormwater drainage systems in the world. Dan also has extensive experience delivering municipal infrastructures such as parks, public facilities, roads, and more. His engineering capabilities span planning, design, analysis, cost estimating, scheduling, permitting, bidding, and construction. Dan will provide <b>HYDRAULICS AND HYDROLOGY MODELING</b> services for this contract.                                                                                                                          |                                                                                                       |                |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                       |                |                                                                                     |
| 03/20 - 06/24                                            | <b>WEST SHORE LAKE PONTCHARTRAIN PUMP STATIONS &amp; DRAINAGE STRUCTURES   US Army Corps of Engineers, New Orleans District   St. Charles Parish, LA</b><br><b>Project Manager.</b> Dan managed multiple technical teams working simultaneously to expedite design of two pump stations with floodwalls, bypass gates, and levees. Pump stations are key components of a 100-year-level storm protection system featuring an 18-mile levee system that includes pump stations, floodwalls, levees, floodgates, environmental canals, drainage canals, a safe house, and bypass drainage gates. Stantec's services included civil, structural, geotechnical, mechanical, and electrical engineering; hydrologic and hydraulic modeling; physical modeling; corrosion control; instrumentation and controls; and cost engineering, including the development a menu of cost-saving options and value engineered concepts that will save over \$120 million. Dan oversaw client management, coordination with the non-federal sponsor, schedule and cost management, and independent technical review. Under his leadership, Stantec delivered a resilient and cost-effective design on an expedited schedule. |                                                                                                       |                |                                                                                     |
| 01/15 - 01/17                                            | <b>HAGAN-LAFITTE DRAINAGE UPGRADES AND GREEN INFRASTRUCTURE   City of New Orleans   New Orleans, LA</b><br><b>Principal-in-Charge/Project Manager</b> for drainage upgrades and green infrastructure improvements for the Hagan-Lafitte neighborhood to improve the residents' quality of life. The proposed stormwater management system includes a combination of grey and green infrastructure including rain gardens, pervious sidewalks, and underground storage to substantially reduce the risk of property loss and flooding within the neighborhood. The proposed system reduces peak flows into the drainage system for extreme weather events affording the overall pumping system additional capacity. The project increases aquifer recharge to minimize roadway and structure subsidence. Project performed hydraulic modeling to establish BCA for \$5.3 M FEMA HMGP funding. The project also included public outreach.                                                                                                                                                                                                                                                                     |                                                                                                       |                |                                                                                     |
| 01/16 - 01/22                                            | <b>BRIDGE HYDRAULIC REPORT STATE ROAD 292   Bayou Lafourche Fresh Water District   Donaldsonville, LA</b><br><b>Project Manager</b> for the design of a new 1,500-cfs pump station as part of a major freshwater and sediment diversion project to increase flow from the Mississippi River to Bayou Lafourche. Stantec's services included project management; geotechnical and water quality analyses; hydraulic modeling; permitting support; and full design of the outfall structure and river intake system. Dan oversaw the preparation of more than 290 multi-disciplinary design drawings; value engineering; resiliency measures; subconsultant coordination; and USACE 408 permissions. He was also responsible for execution of the Quality Management Plan.                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                       |                |                                                                                     |
| 07/17 - 03/18                                            | <b>100 RESILIENT CITIES (100RC): STRATEGIC WATER PATHWAYS   City of New Orleans   New Orleans, LA</b><br><b>Project Manager.</b> Following extreme flooding in New Orleans, the Rockefeller Foundation's 100RC retained Stantec to assess the existing drainage system and to identify strategic pathways to guide future investment to reduce future flood risk. Dan served as Project Manager for this effort, which included analysis and an associated workshop examining level and cost of service, facilitating community decision-making, and assessing funding options for combinations of green and gray infrastructure and storage and pumping capacity improvements. The analysis applied subbasin hydrologic and hydraulic models, and assessed the frequency of storms as well as degree, depth, and impact of flooding as measured by several structures impacted and residential damages. Funding options ranged from new taxes, millage fees, special fees, or creation of a new dedicated stormwater drainage fee.                                                                                                                                                                         |                                                                                                       |                |                                                                                     |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Stantec Consulting Services Inc.                               |                |  |
| NAME                                                     | Matthew "Matt" Hoy, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                    | 20             |                                                                                    |
| TITLE                                                    | Senior Principal, Civil Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)             | 0              |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MS   2005   Civil Engineering // BS   2003   Civil Engineering |                |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PE #2011003311   MO   12/31/2027                               |                |                                                                                    |
| YEAR REGISTERED                                          | 2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DISCIPLINE                                                     | Civil Engineer |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Matt has 20 years of experience in a variety of civil and water resources projects with a focus on hydrologic and hydraulic engineering analysis and design. He has led hydraulic efforts for major, multi-million-dollar dams, levee, and pump station projects throughout the Gulf. Matt's background also includes stormwater, wastewater, and open channel systems. He is familiar with evaluating performance of dams and levees under flood conditions during both normal and breach operating scenarios and using risk-based approaches to evaluate the probability and consequences of dam and levee failures. His work often requires use of the latest water resource software applications including HEC-RAS, HEC-HMS, InfoWorks, InfoSWMM, River2D, RiverFlo-2D, TUFLOW, and SWMM, as well as GIS applications such as ArchHydro, HEC-GeoRAS, and HEC-GeoHMS. Supplementing his work in water, Matt also possesses experience in Coal Combustion Residual (CCR) projects. His role on these projects often involves facility inspections, program management, and design improvements. Matt's engineering and modeling background is complimented by his management capabilities, having led teams of 50+ engineers to execute large-scale projects. He is also well-versed in outreach, data collection, cost-benefit analyses, and construction quality control and documentation. In addition, Matt has hands-on experience with Federal Emergency Management Agency (FEMA)'s newest Levee Analysis and Mapping Guidelines (LAMP). Matt will provide <b>HYDRAULICS AND HYDROLOGY MODELING</b> services for this contract.</p>                                                                    |                                                                |                |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                |                |                                                                                    |
| 01/10 - 12/10                                            | <p><b>TVA EMORY RIVER TWO-DIMENSIONAL HYDRAULIC ANALYSIS   Tennessee Valley Authority   Tennessee</b><br/> <b>Project Engineer.</b> Served as project engineer on an evaluation of channel stabilization requirements along the Emory River following the Kingston Fossil Plant embankment failure. Created a two-dimensional hydraulic model of pre- and post-failure conditions along the Emory River adjacent to the ash pond facilities. The model was used to predict bed shear stress along the toe of the ash pond embankment and identify potential areas of localized scour. The model results were then used to estimate required riprap sizes for armoring the embankment from the impinging flows using USACE methods for riprap sizing.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |                |                                                                                    |
| 01/09 - 12/09                                            | <p><b>SOUTH HARBOR TWO-DIMENSIONAL MODELING ANALYSIS   Tri-City Regional Port District   Granite City, IL</b><br/> <b>Senior Project Engineer.</b> In support of the Tri-City Regional Port District's proposed South Harbor project, performed a two-dimensional hydrodynamic analysis to evaluate the potential effects of the harbor and a nearby L-dike on passing barge traffic in the Mississippi River. This work involved close coordination with the U.S. Army Corps of Engineers and U.S. Coast Guard, as well as the Port District. The model of the approximately 1.5-mile reach near St. Louis, Missouri compared favorably with velocity measurements and helped to alleviate concerns regarding transverse flows near the harbor. GIS applications were utilized in providing custom output displays to aid in conveying the results of the complex modeling effort to the client and public stakeholders. Matt oversaw preparation and calibration of a 2D, sediment- coupled hydrodynamic model of a 20-mile stretch of the Mississippi River and a CFD model of the harbor. The model was created to gain an understanding of flow patterns and sediment deposition near the harbor and evaluate potential measures to reduce sedimentation and dredging frequency. The model included in-river structures such as chevrons and riprap dikes, estimated current dredging requirements, and identified specific conditions under which the majority of sedimentation was occurring. Model runs were performed to evaluate the downstream impacts of disposing dredged sediments back into the river and to evaluate potential structural measures to reduce sedimentation and dredging costs.</p> |                                                                |                |                                                                                    |
| 07/21 - 07/24                                            | <p><b>TEXAS WATER DEVELOPMENT BOARD STATEWIDE FLOODPLAIN MODELING AND MAPPING SERVICES BASE LEVEL ENGINEERING (BLE)   Texas Water Development Board   Statewide, TX</b><br/> <b>Technical Advisor.</b> Matt served as a technical advisor for this contract to develop 2D HEC-RAS models for multiple HUC10 watersheds in Central and Northwest Texas for a Base Level Engineering (BLE) assessment and to support FEMA's Flood Decision Support Toolbox (FDST). Matt's role involved setting technical guidance, coordinating project resources, and reviewing submittals.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                |                |                                                                                    |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                |                        |                                                                                    |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | G.E.C., Inc.                                                   |                        |  |
| NAME                                                     | Varaprasad Venkata, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                    | 19                     |                                                                                    |
| TITLE                                                    | Senior Civil / Structural Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)             | 10                     |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MS   1995   Civil Engineering // BS   1992   Civil Engineering |                        |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PE No. 40594   LA   9/30/2026                                  |                        |                                                                                    |
| YEAR REGISTERED                                          | 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DISCIPLINE                                                     | Structural Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Varaprasad will serve as <b>STRUCTURES QA/QC</b> for this project. Varaprasad has 29 years of structural engineering experience involving highway bridges, low &amp; high mast light pole supports, highway sign supports, hurricane protection systems, water treatment and distribution facilities, and industrial structures. He has provided design services for state agencies inclusive of FHWA funding, tolling commissions, as well as non-state entities and private industry. His bridge design experience includes the widening of existing structures and new structures for highly congested interstates and major highways, which includes, but not limited to, the design of pile bents, column bents, PSC girders, concrete deck, and steel girders. His design experience also includes AASHTO structural sign supports for highway signs, traffic signal supports, camera pole platforms and supports, DMS sign supports and main platforms, and low and high mast light pole attachments and foundations. <b>Varaprasad meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 15</b></p>                                                                                                                         |                                                                |                        |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                |                        |                                                                                    |
| 04/13 - 07/21                                            | <p><b>LA 1 - LEEVILLE TO GOLDEN MEADOW: PHASE 2E AND PHASE 2A (WIDENING AND NEW BRIDGE)   Lafourche Parish, LA</b></p> <p><b>Structural Engineer.</b> Varaprasad served on a team responsible for rating existing bridge, design of the widening of an existing bridge (Phase 2E,) and the design and construction of a new bridge (Phase 2A). The widened portion of the bridge consists of pre-stressed concrete Type III girder spans and the new bridge consists of new LG girders. Varaprasad performed design of pile bents, column bents, AASHTO and LG type PSC girders, concrete deck, and pile supported elevated concrete foundation for maintenance platform for relocated and new 60' camera pole in accordance with AASHTO LRFD Bridge design specifications. The column bents on either side of the Bollinger Canal were designed to withstand vessel impact loads. Also designed supports for highway structure mounted signs and luminaries according to AASHTO and LADOTD BDEM. Performed structural design for ladder system connecting the platform to the bridge deck in accordance with AASHTO and LADOTD standard specifications. Services: structural analysis &amp; design, development of plans &amp; review of submittals during construction.</p> |                                                                |                        |                                                                                    |
| 09/20 - Ongoing                                          | <p><b>BLUEBONNET BLVD. (PERKINS TO PICARDY)   Baton Rouge, LA</b></p> <p><b>Bridge Design.</b> GEC is designing the widening to include an additional lane in each direction. Varaprasad performed QC checks on bridge rating calculations to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM and AASHTO Manual of Bridge Evaluation. Based on the load rating, it was recommended that the existing bridge be replaced. Varaprasad performed the feasibility review of phased construction of the new replacement bridge, maintaining two lanes of traffic in each direction during all phases of construction. He developed a new widened bridge layout plan with 3-phases of construction. He also performed the final design and plan preparation for both NB and SB bridges in accordance with AASHTO LRFD Bridge Design Specifications and the LADOTD Bridge Design and Evaluation Manual. (Project No. 19-CP-HC-0034).</p>                                                                                                                                                                                                                                                                          |                                                                |                        |                                                                                    |
| 02/20 - 4/25                                             | <p><b>H.013897 / I-10 &amp; I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT   East Baton Rouge Parish, LA</b></p> <p><b>Primary Bridge Engineer.</b> Varaprasad was the Primary Bridge Engineer for the I-10 &amp; I-12 College Dr. Flyover Design-Build Project. He designed and supervised the design and plan development of concrete girder spans for the Flyover and concrete decks for both the Flyover and Ward Creek Bridge. Additionally, Varaprasad designed and supervised plan development for all Substructures, Median Barriers, and Moment Slabs on the project. He also developed plans for the phased replacement of deck joints on the Ward Creek Bridge, to ensure maintenance of 5 lanes of traffic on I-10 westbound throughout construction. Varaprasad also analyzed and designed the median barriers to support structure mount low mast poles. He also designed Drilled Shaft foundations for ground mount high and low mast pole support. Varaprasad also reviewed shop drawings and design calculations submittals for the pole, anchor bolts and base plates.</p>                                                                                                                                                                              |                                                                |                        |                                                                                    |



|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                    |     |                                                                                    |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | G.E.C., Inc.                                       |     |  |
| NAME                                                     | Richard B. (Barry) McCoy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 34  |                                                                                    |
| TITLE                                                    | Senior Environmental Scientist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 1   |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BS   1989   Wildlife Conservation                  |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | N/A                                                |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DISCIPLINE                                         | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Barry will provide <b>T&amp;E SPECIES/ECOSYSTEMS</b> services for this project. Barry has over 30 years of experience with wildlife hazard assessments, wetland delineations, threatened and endangered species surveys, Habitat Evaluation Procedures (HEP), preparation of numerous National Environmental Policy Act (NEPA) documents, environmental Phase I site assessments, and hazardous, toxic, and radioactive waste investigations. He has participated in a Basic Wetland Delineation class conducted by the Wetland Training Institute and a Wetland Plant Identification Workshop conducted by the Wetland Biogeochemistry Institute of Louisiana State University. He has also attended the Wetland Delineation Preparatory course for the Wetland Delineator Certification Program provided through the Wetland Training Institute. Other classes attended by Barry include a Habitat Evaluation Procedures Course, and a 40-Hour Waste Site Operations Course along with annual refresher courses. <b>Barry meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 8, 9</b> |                                                    |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |     |                                                                                    |
| 02/17 - 12/22                                            | <b>THIRD-PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD) PROJECT   Plaquemines Parish, LA</b><br><b>Senior Project Scientist</b> on the GEC Team leading development of a Third-Party EIS for CPRA's MBSD Project. As a senior wetland and wildlife biologist, Barry played a key role in drafting the wetland sections of the EIS. The EIS is being prepared under the direction of USACE, New Orleans District, to aid in the decision-making regarding CPRA's permit application pursuant to Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act, and permissions under 33 U.S.C. Section 408. Agency Project No.: LA Gov No. 4400010455, DNR No. 2503-16-23.                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                    |     |                                                                                    |
| 11/23 - 02/24                                            | <b>SHARP ROAD   Mandeville, LA</b><br><b>Lead Field Wetland Scientist.</b> GEC provided design services for the road improvements as well as provide the necessary environmental permitting, for this project that is currently under construction. Mr. McCoy was the Senior Wetland Scientist responsible for conducting the wetland delineation within the project area. During field surveys of the project area, Mr. McCoy collected the necessary data to identify and map the wetland habitats that occur within the project area. He utilized the field data to prepare the wetland delineation report that was submitted to the New Orleans District Corps of Engineers for review and verification. He was also responsible for preparing the necessary wetland permit applications.                                                                                                                                                                                                                                                                                                                                     |                                                    |     |                                                                                    |
| 09/20 - 02/22                                            | <b>NATURAL HERITAGE INVENTORY, NAVAL INFORMATION OPERATIONS COMMAND   Sugar Grove, WV</b><br><b>Lead Field Biologist.</b> Barry was the Lead Field Biologist responsible for conducting the necessary field efforts to document federal and state rare, threatened and endangered flora and fauna species found within the installation boundaries. Barry prepared a work plan that identified the flora and fauna species that potentially occurred on the base, and established the survey methods required to search for and document any rare, threatened, and endangered plant, mammal, bird, pollinator, or herpetofauna species occurring within the boundaries of the installation. He coordinated four multi-day field efforts with the Natural Resource Manager for the base as well as other personnel on the base required for access to the base.                                                                                                                                                                                                                                                                    |                                                    |     |                                                                                    |
| 01/11 - Ongoing                                          | <b>GNOEC, LAKE PONTCHARTRAIN CAUSEWAY   St. Tammany and Jefferson Parishes, LA</b><br><b>Wetland Scientist.</b> Barry serves as Wetlands Specialist for improvements to the Causeway. GEC prepares and conducts regulatory Solicitations of Views, prepares responses to regulatory comments/guidance, conducts wetland delineations, prepares wetland/water body survey reports and prepares Coastal Use Permit applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |     |                                                                                    |



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| 03/21 – 06/22 | <p><b>NATURAL RESOURCE FLORA AND FAUNA SURVEYS   Naval Station Great Lakes, IL</b></p> <p><b>Lead Field Biologist.</b> Barry serves was the Lead Field Biologist responsible for conducting the necessary field efforts to document federal and state rare, threatened and endangered flora and fauna species found within the designated survey areas provided within the SOW. He prepared a work plan that identified the flora and fauna species that potentially occurred on the base, and established the survey methods required to search for and document any rare, threatened, and endangered plant, mammal, bird, pollinator, or herpetofauna species occurring within the designated survey areas. Barry coordinated four multi-day field efforts with the Natural Resource Manager for the base as well as other personnel on the base required for access to the base.</p> |
| 09/19 – 10/24 | <p><b>LASAFE AIRLINE AND MAIN COMPLETE STREETS   LaPlace, LA</b></p> <p><b>Wetland Scientist.</b> Barry conducted field surveys for a wetland delineation within the project footprint, prepared a wetland delineation report that was submitted to the New Orleans Corps of Engineers to request a Preliminary JD. he also prepared and submitted a Section 404 Wetland permit application, the Louisiana DNR Coastal Use permit application, and requested a Letter of No Objection from the Pontchartrain Levee Board for activities proposed within 1500-ft. of the Mississippi River Main Line Levee. He coordinated with all agencies through the completion of each permit.</p>                                                                                                                                                                                                  |
| 2020          | <p><b>WEST COLYELL CREEK BANK STABILIZATION PROJECT, WETLAND DELINEATION AND PERMITTING   Livingston Parish, LA</b></p> <p><b>Lead Field Wetland Scientist.</b> Barry was the Lead Field Wetland Scientist responsible for conducting the field data collection necessary to identify and map wetlands and other waters within the project area. He prepared wetland data sheets and compiled the data and maps into a report that was submitted to the New Orleans District Corps of Engineers for verification. Once verified, the information was utilized to prepare the necessary permit applications for conducting the bank stabilization activities proposed for the project area.</p>                                                                                                                                                                                          |
| 04/19 – 12/21 | <p><b>CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS   East Baton Rouge Parish, LA</b></p> <p><b>Wetland Scientist.</b> Barry was responsible for conducting a wetland delineation, preparing a wetland report, and requesting a Preliminary Jurisdictional Determination from the New Orleans District, USACE for both of the bridge replacements. Barry also assisted in preparing the necessary USACE permit applications for projected impacts to wetlands and other waters within the project area.</p>                                                                                                                                                                                                                                                                                                                                                                     |
| 11/18 – 02/21 | <p><b>I -10 SERVICE ROAD BRIDGES   Slidell, LA</b></p> <p><b>Wetland Scientist.</b> Barry was the lead Wetland Scientist responsible for the wetland delineation within the proposed project area. Mr. McCoy oversaw the field efforts associated with the project and the preparation of the wetland delineation report. Mr. McCoy coordinated with the New Orleans District, USACE to request a Preliminary Jurisdictional Determination and assisted in preparing the joint permit application for Louisiana DNR, Coastal Use Permit and the USACE Wetland Permit.</p>                                                                                                                                                                                                                                                                                                               |
| 01/02 – 12/10 | <p><b>THE TIMED PROGRAM, ENVIRONMENTAL   Statewide, LA</b></p> <p><b>Lead Field Biologist.</b> Barry was responsible for the completion of wetland delineations; threatened and endangered species surveys; and the required permit applications necessary for construction of approximately 250 miles of proposed highway right-of-way required for the highway expansion. He was responsible for preparing findings reports and submitting to the appropriate state and federal agencies for review and concurrence. Additionally, he assisted with Phase I Site Assessments (ESAs) within the right-of-way and Asbestos Inspections of structures impacted by the proposed construction.</p>                                                                                                                                                                                         |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | G.E.C., Inc.                                       |                |  |
| NAME                                                     | Bliss Bernard, PE, CEP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 3              |                                                                                    |
| TITLE                                                    | Vice President, Coastal, Environmental, and Water Resources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 8              |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | BS   2014   Civil Engineering                      |                |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PE No. 42709   LA   3/31/2027                      |                |                                                                                    |
| YEAR REGISTERED                                          | 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DISCIPLINE                                         | Civil Engineer |                                                                                    |
| Contract role(s) / brief description of responsibilities | Bliss will provide <b>NEPA PREPARATION/INITIATION and FHWA MAJOR PROJECTS PMP/FP/CSRA COORD</b> services. Bliss is a Professional Engineer with almost 12 years of experience in project management, environmental compliance, water resources, coastal planning, and public outreach. She has served as Project Manager on numerous multi-disciplinary environmental and engineering studies, with extensive experience leading and supporting the NEPA documentation process. She often serves as the liaison between the consultant team and several sub-consultant teams and state and federal partners, including LADOTD. She has extensive experience in developing environmental studies and analysis of impacts including: natural and physical impacts, including hydrologic and hydraulic components, floodplain modeling, subsurface and surface water, wetlands and other waters, threatened and endangered species, air and noise impacts, and coastal resources; the human environment impacts, including land use and economic activities, demographics and environmental justice, traffic and safety analyses and impacts, Sections 4(f) and 6(f) and real estate impacts; and cultural resource impacts including archaeological and architectural resources. She has also assisted in processing numerous environmental permits and documents for local, state, and federal agencies, such as LADOTD, USACE, CPRA, USCG, LDWF, FEMA, and other countless agencies. She has completed the NHI Course NEPA & the Transportation Decision-Making Process in 2015 and 2024.                                       |                                                    |                |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                    |                |                                                                                    |
| 01/23 - Ongoing                                          | <b>LOUISIANA INTERNATIONAL TERMINAL (LIT) ENVIRONMENTAL ASSESSMENT   Violet, St. Bernard Parish, LA</b><br><b>QA/QC Manager.</b> GEC is serving as the prime consultant in developing the Environmental Assessment for the new Louisiana International Terminal Port in Violet, LA on behalf of the Port of New Orleans. GEC is responsible for the overall development of the EA in order to secure necessary permits and permissions to construct the proposed LIT in St. Bernard Parish. Mrs. Bernard is serving as a QA/QC Manager and is directly responsible for the oversight of the hydraulics/hydrology, transportation, and coastal resource sections of the report. She has assisted in the development of the data gap analysis and affected conditions and will be responsible for analyzing environmental impacts and authoring the respective sections. (State Project No. H.004273.5).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |                |                                                                                    |
| 10/22 - Ongoing                                          | <b>I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12   Baton Rouge, LA</b><br><b>Project Engineer.</b> Bliss has led efforts in environmental compliance, permitting, and stakeholder coordination to support the planned widening of I-10 from LA 415 to Perkins Road. She assisted in preparing the Incident Management Plan for Phase 1 construction, which established a coordinated, multi-disciplinary framework for detecting, responding to, and clearing traffic incidents efficiently and safely. This included identifying emergency staging areas, detour and emergency access routes, and queue-clearing locations. Mrs. Bernard also prepared and submitted the U.S. Army Corps of Engineers permit for the LSU Lakes Bridge, and she has played a key role in public and stakeholder outreach by developing presentation materials and delivering project updates to keep stakeholders informed of progress. In addition, Mrs. Bernard authored the NEPA Re-Evaluation document addressing seven proposed corridor modifications along the I-10 corridor. She also prepared a standalone Section 4(f) Analysis, which evaluates potential impacts to publicly owned parks, recreation areas, wildlife and waterfowl refuges, and historic sites, ensuring compliance with federal requirements. In addition, she authored a standalone Community Impacts Analysis, formerly referred to as Environmental Justice, to evaluate how the project modifications may affect local neighborhoods, businesses, and community resources. All documents were submitted to FHWA and were approved. (State Project No. H.004100). |                                                    |                |                                                                                    |
| 06/22 - 01/23                                            | <b>THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION PROJECT   Plaquemines Parish, LA</b><br><b>Project Manager/QC.</b> Bliss served as a project manager and assisted in the development of the cumulative impacts, water quality, and overall review of the FEIS. The EIS was prepared under the direction of USACE to aid in their decision-making regarding CPRA's permit application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | G.E.C., Inc.                                       |     |  |
| NAME                                                     | William Grant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 23  |                                                                                    |
| TITLE                                                    | Senior Environmental Scientist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 7   |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BS   1994   Biology                                |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N/A                                                |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DISCIPLINE                                         | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>William will provide <b>HAZARDOUS SITES AND RISKS</b> services for this project. William has 30 years' experience in the environmental field conducting research, regulatory compliance and enforcement, planning, coordination, and consulting services on Federal and state regulatory compliance issues for numerous governmental and private clients. He has successfully worked with the Louisiana Department of Natural Resources (LDNR), and the Louisiana Department of Environmental Quality (LDEQ) on water quality planning, vegetation and shoreline surveys, and numerous data collection projects. He has conducted wetland delineations and determinations on numerous sites in Louisiana and Texas as well as multiple private clients. William has managed over 35,000 acres of freshwater marsh, agricultural property, and timberland in Southern Louisiana. He is experienced in dealing with oil and gas mineral leases, surface sites, pipeline, and utility rights-of-way, as well as transportation corridors for private and corporate landowners. He has hands on knowledge planning, permitting, surveying, compliance monitoring, and operating over 2,500 acres of wetland mitigation banks and conservation easements and servitudes. His duties include managing over 75 annual recreational and hunting leases, private roads and bridges, and private utility infrastructure for property owners. <b>William meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 7</b></p> |                                                    |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |     |                                                                                    |
| 02/17 - 01/23                                            | <b>THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION (MBSD) PROJECT   Plaquemines Parish, LA</b><br><b>Senior Scientist.</b> Mr. Grant is served as a senior scientist on the GEC Team to develop a Third-Party EIS for the MBSD Project proposed by CPRA. Mr. Grant led hazardous, toxic, and radioactive waste assessments for the project area in support of the EIS. The EIS was prepared under the direction of USACE, New Orleans District, to aid in their decision-making regarding CPRA's permit application pursuant to Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act, and permissions under 33 U.S.C. Section 408. Agency Project No.: LA Gov No. 4400010455, DNR No. 2503-16-23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |     |                                                                                    |
| 09/20 - 02/21                                            | <b>INVASIVE PLANT SPECIES MANAGEMENT AND BEACH IMPROVEMENTS: NAVAL STATION   Mayport, FL</b><br><b>Natural Resource Manager.</b> Mr. Grant served as the Natural Resource Manager, he managed and oversaw the invasive plant species management and jetty beach improvements at Naval Station Mayport. He managed herbicide application to 8.5 acres along the beach and beneath the lighthouse targeting selected invasive species. His team conducted manual removal of select invasive vegetation along 6 acres of the beach area. He provided direct oversight of planting 12,200 sea oats along the ridge and back slope of the dunes to support long-term erosion control.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |     |                                                                                    |
| 01/02 - 12/10                                            | <b>LADOTD TRANSPORTATION INFRASTRUCTURE MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM MANAGEMENT   Statewide, LA</b><br><b>Biologist/Field Team Lead.</b> Functioned as biologist and field team leader for wetland delineation and threatened and endangered species surveys and permitting for 35 project segments comprising more than 260 miles of new highway construction addressed in the LADOTD Infrastructure Model for Economic Development (TIMED) Program. Total project encompassed over 10,000 acres of wetland and endangered species surveys. Subsequent responsibilities included assistance with periodic surveys and habitat assessment updates for previously surveyed project segments not yet under construction. Mr. Grant also conducted multiple Phase I ESAs as well as Phase II ESAs and prepared reports in accordance with ATSM E1527-00 and ASTM E1903-97, noting recognized environmental conditions within each segment and developing further investigation plans for numerous other sites. Agency Project No.: Contract No. 700-99-0266                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |     |                                                                                    |



|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |                        |                                                                                    |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | G.E.C., Inc.                                       |                        |  |
| NAME                                                     | Nicole Forsyth, EI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 10                     |                                                                                    |
| TITLE                                                    | NEPA Specialist/Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 14                     |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | BS   2001   Environmental Engineering              |                        |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PE No. 19841   LA   9/30/2027                      |                        |                                                                                    |
| YEAR REGISTERED                                          | 2001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DISCIPLINE                                         | Environmental Engineer |                                                                                    |
| Contract role(s) / brief description of responsibilities | Nicole has worked as an environmental professional in the public and private sector for over 20 years. During her career, she has managed National Environmental Policy Act (NEPA) projects for various types of projects including transportation, military facilities, USACE civil works (including levees and dams) and regulatory projects, and coastal resource projects. Her expertise is in the overall project management, preparation, and review of NEPA documents (EISs, EAs, CEs) along with Noise and Air Studies, and Phase I Environmental Site Assessments. Her expertise also lies in multi-agency permitting and Section 10/404/408 compliance. Her experience includes tasks such as overall project management, schedule and budget management, managing multidisciplinary teams, coordination with multiple agencies, public involvement, and environmental impacts analysis following NEPA regulations. Nicole will provide <b>NEPA AND PEL DOCUMENTATION</b> services.                                                                                                                                                                                                              |                                                    |                        |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                        |                                                                                    |
| 11/22 – Ongoing                                          | <b>LOUISIANA INTERNATIONAL TERMINAL (LIT) ENVIRONMENTAL ASSESSMENT   Violet, St. Bernard Parish, LA</b><br><b>Deputy Project Manager.</b> GEC is serving as the prime consultant in developing the Environmental Assessment (EA) for the new Louisiana International Terminal (LIT) Port in Violet, LA on behalf of the Port of New Orleans. The Port of New Orleans is investing in a new \$1.8 billion container terminal project—The Louisiana International Terminal – to serve vessels of all sizes, providing goods to support Louisiana's homes and businesses. GEC is preparing a detailed impact analysis for the proposed terminal in accordance with the NEPA and is conducting a range of studies addressing concerns raised by the public. GEC is responsible for the overall development of the EA in order to secure necessary permits and permissions to construct the proposed LIT in St. Bernard Parish. Ms. Forsyth is assisting the Project Manager with day-to-day project management, attending management meetings and corresponding with the client, development and ongoing updates to the project schedule, management of subconsultants, and preparation of sections of the EA. |                                                    |                        |                                                                                    |
| 02/17 – 02/23                                            | <b>THIRD PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION PROJECT   Plaquemines Parish, LA</b><br><b>Senior Project Manager.</b> Nicole served as the senior project manager on the GEC Team leading development of a Third-Party EIS for the MBSD Project proposed by CPRA. The EIS was prepared under the direction of USACE, New Orleans District, to aid in their decision-making regarding CPRA's permit application pursuant to Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act, and permissions under 33 U.S.C. Section 408. The Third-Party EIS assessed the potential negative and beneficial impacts associated with the construction and operation of the project and was consistent with the DWH PDARP/PEIS and associated ROD. This highly publicized and controversial project included seven cooperating agencies, 10 commenting agencies, and 11 consulting tribes for the EIS and was placed on the Permitting Dashboard under the FAST-41 process.                                                                                                                                                                                               |                                                    |                        |                                                                                    |
| 07/24 – Ongoing                                          | <b>I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12   Baton Rouge, LA</b><br><b>NEPA Specialist.</b> Nicole assisted with the preparation of the NEPA re-evaluation document. She also assisted in the determination of properties that could potentially have cultural resources impacts under Section 106 for LADOTD's coordination with SHPO. She also helped to identify properties that would need to have a Section 4(f) evaluation performed and assisted with the Section 4(f) documentation that was submitted to FHWA. (State Project No. H.004100).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |                        |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | G.E.C., Inc.                                                      |                                                    |  |    |
| NAME                                                     | Sarah Sullivan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                   | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | 1  |
| TITLE                                                    | Environmental Scientist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                   | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | 22 |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MA   2010   Hispanic Studies (Linguistics) // BS   2001   Zoology |                                                    |                                                                                    |    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N/A                                                               |                                                    |                                                                                    |    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DISCIPLINE                                                        | N/A                                                |                                                                                    |    |
| Contract role(s) / brief description of responsibilities | Sarah is an experienced environmental scientist specializing in project permitting at the federal and state levels, wetland delineations, threatened and endangered species surveys, and NEPA documentation (Categorical Exclusions, Environmental Assessments, and Environmental Impact Statements). She is proficient in GIS analysis and map production using ArcGIS Pro, as well as GPS-based field data collection. Her background also includes graduate-level training in landscape architecture with an emphasis on sustainable and ecologically responsible design. Sarah will provide <b>NEPA AND PEL DOCUMENTATION</b> services.                                         |                                                                   |                                                    |                                                                                    |    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                   |                                                    |                                                                                    |    |
| 09/24 - Ongoing                                          | <b>PORT OF NEW ORLEANS LOUISIANA INTERNATIONAL TERMINAL (LIT) ENVIRONMENTAL ASSESSMENT   Violet, LA</b><br><b>Environmental Scientist.</b> GEC is serving as the prime consultant in developing the Environmental Assessment for the new Louisiana International Terminal Port in Violet, LA on behalf of the Port of New Orleans. GEC is responsible for the overall development of the EA to secure necessary permits and permissions to construct the proposed LIT in St. Bernard Parish. Sarah is responsible for writing and reviewing the environmental assessment, addressing public comments, and GIS analysis and map production.                                          |                                                                   |                                                    |                                                                                    |    |
| 03/25 - Ongoing                                          | <b>RED RIVER NAVIGATION FEASIBILITY STUDY AND EIS   Southwest AR and Northwest, LA</b><br><b>Environmental Scientist.</b> GEC is serving as a subcontractor for the Navigation Feasibility Study and the preparation of the respective EIS for the Red River in Southwest Arkansas and Northwest Louisiana. Sarah is responsible for identifying the cultural, historical, and archaeological impacts of the study area and for outlining the cumulative impacts on various resources identified by the study. She is also assisting in GIS analysis and the compilation of the integrated Draft Feasibility Report and Environmental Impact Statement.                             |                                                                   |                                                    |                                                                                    |    |
| 01/25 - Ongoing                                          | <b>I-10: LA 415 INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA) OFF-SYSTEM BRIDGE PROGRAM   District 61, LA</b><br><b>Environmental Scientist.</b> GEC is serving as the primary consultant to LADOTD for the replacement of 13 bridges throughout District 61. The expectation is that all 13 projects will be processed as Programmatic Categorical Exclusions under NEPA, and Sarah is responsible for preparing the respective environmental documentation. This includes performing field investigations, writing the respective reports, generating maps and figures, coordinating with relevant state and federal agencies and preparing USACE Nationwide Permit Applications. |                                                                   |                                                    |                                                                                    |    |
| 01/26 - Ongoing                                          | <b>LIVINGSTON PARISH DRAINAGE MASTERPLAN PERMITTING ROADMAP   Livingston Parish, LA</b><br><b>Environmental Scientist.</b> GEC is partnering with Halff to develop a Drainage Master Plan for Livingston Parish. As part of this effort, Sarah is preparing a Permitting Roadmap that outlines regulatory pathways for routine and recurring maintenance activities. This includes guidance for securing USACE maintenance permits, Coastal Use Permits, and Scenic Rivers Permits. She is also developing a decision-making matrix and aligning the project geodatabase to link parish waterways with the appropriate permitting requirements.                                     |                                                                   |                                                    |                                                                                    |    |
| 01/25 - 04/25                                            | <b>DEMCO 4-H CLUB ROAD SUBSTATION SITE   Livingston Parish, LA</b><br><b>Environmental Scientist.</b> GEC conducted a wetland delineation and Drainage Impact Study on a proposed 5.24-acre substation site located off 4-H Club Road in Livingston Parish, Louisiana on behalf of the DEMCO electric distribution cooperative. Sarah conducted the wetland delineation at the site, which included mapping the identified wetlands, classifying vegetation, and analyzing soils observed at sample plots. She also conducted the GIS analysis, created the maps and figures to include in the wetland report, and assisted in the USACE 404 Permit Application Process.            |                                                                   |                                                    |                                                                                    |    |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |                                                    |                                                                                    |   |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | G.E.C., Inc.                  |                                                    |  |   |
| NAME                                                     | Christopher "Chris" Nipper, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        |                                                                                    | 9 |
| TITLE                                                    | Road Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) |                                                                                    | 2 |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | BS   2014   Civil Engineering |                                                    |                                                                                    |   |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PE No. 43281   LA   9/30/2027 |                                                    |                                                                                    |   |
| YEAR REGISTERED                                          | 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DISCIPLINE                    | Civil Engineer                                     |                                                                                    |   |
| Contract role(s) / brief description of responsibilities | Chris has 11 years of experience providing preliminary plans and cost estimates for the design and development of construction plans for roadway improvement projects in accordance with the latest LADOTD and AASHTO standards. This includes management of project team members, including GEC design professionals and coordinating with sub-consultants. He has developed project schedules, starting from NTP and continuously updating with completed milestones. He has served in a project manager role for several recent LADOTD projects, including the US 167 Interchange at Willow St, part of the I-49 Connector project. In addition, Chris has directed engineering staff for the completion of preliminary plans for roadway projects in accordance with Louisiana Standard Specifications for Highways and Bridges, LADOTD's Roadway Design Procedures and Details Manual, the AASHTO Highway Safety Manual, ASTM Standards, and LADOTD's Pavement PRR Minimum Design Guidelines. In addition, Chris provides hydraulic analysis and design of drainage features for roadway construction projects in accordance with the current edition of LADOTD's Hydraulics Manual. He is also very familiar with AASHTO standards and guidelines and has developed Transportation Management Plans for roadway construction projects. Chris has also completed Modules 1-3 of the Traffic Engineering Process and Report Course offered by LTRC. Chris will provide <b>ROADWAY AND MOT</b> services. |                               |                                                    |                                                                                    |   |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |                                                    |                                                                                    |   |
| 06/17 - 05/19                                            | <b>I-10 WIDENING, WILLIAMS BLVD. TO VETERANS BLVD   Jefferson Parish, LA</b><br><b>Roadway Design.</b> This project included the design of the addition of a lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane. Chris was responsible for the hydraulic design of the proposed bridge decks, the westbound proposed bridge vertical curve, and for calculating elevations along the bridge bents and girders.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |                                                    |                                                                                    |   |
| 02/20 - 04/25                                            | <b>H.013897, I-10 &amp; I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD PROJECT   East Baton Rouge Parish, LA</b><br><b>Lead Roadway Design Engineer.</b> This project involved the redesign of the I-10 WB/I-12 WB merger, and the College Dr. Off Ramp. The existing I-12 WB was realigned to run alongside the existing I-12 EB lanes, and the existing I-10 WB bridge over I-12 EB was raised, widened, and lengthened to provide room for the realigned I-12 WB lanes. Separate dedicated off ramps to College Dr. were provided from I-10 WB and I-12 WB. Chris completed all geometric roadway design for the interstate widening project and developed all the roadway construction plan. He was responsible for the hydraulic analysis and design for the entire project and developed the hydraulic calculations and report. Chris was also responsible for calculating quantities for all the roadway and hydraulic portions of the project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |                                                    |                                                                                    |   |
| 09/20 - Ongoing                                          | <b>I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12   East/West Baton Rouge, LA</b><br><b>Roadway Design Engineer.</b> This project involves the widening of I-10 westbound and eastbound from the Mississippi River Bridge to the I-10/I-12 split. Chris provided the geometry, both vertical and horizontal, for the retaining walls needed along the urban freeway transportation project corridor and was responsible for developing the plan and profile sheets for the retaining walls. He was also responsible for the redesign of the Perkins Road overpass area which includes the realignment of an existing local roadway, implementing new parking areas and pedestrian facilities, the design of new subsurface drainage systems, and the quantities associated with the Perkins Road overpass redesign. (H.004100).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |                                                    |                                                                                    |   |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | G.E.C., Inc.                                       |                |  |
| NAME                                                     | James Fogleman, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | <1             |                                                                                     |
| TITLE                                                    | Professional Civil Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 7              |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BS   2017   Civil Engineering                      |                |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PE No. 47189   LA   3/31/2027                      |                |                                                                                     |
| YEAR REGISTERED                                          | 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DISCIPLINE                                         | Civil Engineer |                                                                                     |
| Contract role(s) / brief description of responsibilities | <p>James joined GEC in 2025 after 7 years as an Engineering at LADOTD specializing in roadway and drainage design. His design experience consists of bridge replacement projects providing CAD work, cost estimation, drafting of design exceptions, quantifying asphalt and concrete pavement alternatives, roadway approach realignment, and bridge roadway approaches all in accordance with LADOTD's requirements. He is well versed in technical review duties, having provided technical review for improvement of sidewalks, pedestrian and bicycle crossings, roundabouts, and milling and overlaying projects from both district and consultant designers in the past. He has also performed value engineering studies on roadway widening projects with outside consultants to provide alternative design solutions to produce cost savings and add value to project. His experience extends into project management as he successfully managed multiple concurrent projects where he prepared fees, scope of work, set schedules for plan deliveries, and ran plan-in-hand meetings between districts and consultants. His experience and technical skills in programs such as Global Mapper, hydr2009, and Microsoft Excel for Quantifying Materials makes him an excellent addition to GEC's Roadway and Drainage team. James will provide <b>ROADWAY AND MOT</b> services.</p> |                                                    |                |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                    |                |                                                                                     |
| 12/25 - Ongoing                                          | <p><b>I-10 WIDENING, WILLIAMS BLVD. TO VETERANS BLVD I1JA OFF-SYSTEM BRIDGE PROGRAM   East &amp; West Feliciana, Iberville, Pointe Coupee, West Baton Rouge, Ascension, Assumption Parishes, LA</b></p> <p><b>Road Design Engineer.</b> This project involved the spot replacement of 13 bridges across seven parishes. James is responsible for designing the vertical alignment for both mainline roadway and temporary diversion roadway, along with designing the horizontal alignment for the diversion road on one project in West Feliciana. Other tasks include designing required guard rail and establishing limits for required right-of-way. James is also responsible for developing construction plans and calculating quantities required for construction.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                |                                                                                     |
| 12/25 - Ongoing                                          | <p><b>US 190 UPRR OVERPASS NEAR OPELOUSAS   St. Landry Parish, LA</b></p> <p><b>Design Engineer.</b> This project involves the spot replacement of two bridges in St. Landry Parish located between the towns of Opelousas and Port Barre. Mr. Fogleman is responsible for designing the vertical alignment for both mainline roadway and temporary diversion roadway, designing the horizontal alignment for the diversion road, and developing construction plans for the project.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |                |                                                                                     |
| 01/18 - 11/25                                            | <p><b>LADOTD STATE PROJECT NO. H.002381 / LA 43 CREEK BRIDGE NEAR ALBANY BRIDGE REPLACEMENT   Livingston Parish, LA</b></p> <p><b>Roadway Design.</b> James provided road design and plan prep for this bridge replacement project in Livingston Parish. The project was previously worked on by another, so he performed analysis of the existing design's horizontal and vertical alignments adjusting as necessary to meet the standards. He designed a detour map for the project after correspondence with district personnel led to revisions on the construction sequence. He calculated and quantified all items associated with this project and performed cost estimation using in-house data to produce bid amount that would be comparable to construction bid amounts. He performed a safety analysis of the roadway design to justify a design exception for the project using programs such as IHSDM and crash history data provided in-house. Work done prior to GEC.</p>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                |                                                                                     |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | G.E.C., Inc.                                       |                                        |  |
| NAME                                                     | Sherri LeBas, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 9                                      |                                                                                    |
| TITLE                                                    | Senior Vice President                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 31                                     |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | BS   1995   Civil Engineering                      |                                        |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PE No. 23844   LA   3/31/2027                      |                                        |                                                                                    |
| YEAR REGISTERED                                          | 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DISCIPLINE                                         | Civil Engineer, Environmental Engineer |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Sherri is a Senior Vice President of GEC. She is a professional engineer with 40 years of experience in designing &amp; managing numerous projects &amp; programs during her career in Louisiana state government &amp; private industry. During her 24.5 years at LADOTD, Sherri designed and managed projects for a combined 14 years in the Road Design Section which led to serving as a facilitator for the Change Management Program, Assistant to the Secretary for Policy, Deputy Secretary and then Secretary for 6 years from 2010 to 2016. From 1998 to 2003, she managed projects funded through Capital Outlay at the Louisiana State Division of Administration, Facility Planning and Control. In May of 2016, Sherri brought her skills and experience to GEC providing leadership oversight and Project Management for large-scale projects. She also routinely meets with public officials &amp; other stakeholders to discuss policy &amp; resources required for infrastructure. Additionally, Sherri discusses opportunities for teaming with other consulting firms to present &amp; provide a client with the best team possible to provide outstanding services &amp; deliverables. Sherri will provide <b>ALTERNATIVE DELIVERY PLANNING/COORDINATION</b> services.</p>                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                        |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                                        |                                                                                    |
| 09/20 - Ongoing                                          | <p><b>I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12   LADOTD State Project No. H.004100   Baton Rouge, LA</b><br/> <b>Assistant Project Manager</b> for this alternative delivery CMAR project overseeing the public outreach and context sensitive solutions and community connections for this widening project through the heart of the urban area of Baton Rouge. As a liaison for the project, Sherri meets with residential and business owners whose property is affected by the project, the public, public officials, and stakeholders, providing them with information regarding the project. She oversees, assists with, and provides information for the development of graphics and project narratives for public meetings, the I10BR.Com project website, and information for LADOTD's use to inform the media of project updates which includes design and construction activities. She develops and presents information regarding the status of the project at conferences and to stakeholders. Sherri also leads the development of updates to the Design Quality Manual. She developed and provides annual updates to the PMP, Financial Plan (including Initial Financial Plan (IFP), and Financial Plan Annual Update (FPAU)) in coordination with the CSRA Document. She provides management oversight of the design elements designed by GEC engineers, which include lighting (roadway and enhancement), retaining wall, bridge and noisewalls and coordination with roadway, and overall design elements. She provides oversight of the document control and manages the project's Decision Log. She is managing the NEPA re-evaluation process for project modifications.</p> |                                                    |                                        |                                                                                    |
| 08/20 - 06/25                                            | <p><b>I-10 &amp; I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD   LADOTD State Project No. H.013897   Baton Rouge, LA</b><br/> <b>Quality Design Manager.</b> Sherri provided the management of the quality design reviews for the Boh Bros/GEC Design Build team. For this Design-Build project, GEC oversaw the processes included in the Design Quality Manual for the design reviews for roadways, bridges, lighting, intelligent transportation systems, drainage and noisewalls.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |                                        |                                                                                    |
| 01/24 - Ongoing                                          | <p><b>CALCASIEU RIVER BRIDGE (HBI) (CE&amp;I), ROUTE I-10   LADOTD State Project No. H.003931.6   Calcasieu Parish, LA</b><br/> <b>Principal-in-Charge.</b> As the Principal of the Owner Verification Team for this LADOTD project, Sherri assisted with the activities aimed at LADOTD reaching an agreement with the Developer on acceptable modifications to the project scope. She provides oversight to the Owner Verification Team by participating in meetings and maintaining ongoing collaboration with the LADOTD Project Manager, LADOTD staff, the Developer, and the members of the Owner Verification Team to assist with the progression of the project which includes the replacement of the I-10 approaches, interchanges, and the bridge that crosses the Calcasieu River in Lake Charles, LA. The GEC Owner Verification Team provides reviews and construction management of all design elements of this project which includes roadway and aesthetic lighting for the bridge.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |                                        |                                                                                    |
| 01/16 - Ongoing                                          | <p><b>ROAD TRANSFER PROGRAM MANAGEMENT   LA</b><br/> <b>Principal-in-Charge.</b> Sherri serves as a resource to GEC's Program Manager of the Statewide LADOTD Road Transfer Program. Sherri provides feedback, is the direct link for communication and service between GEC's Project Manager who is stationed at LADOTD Headquarters and GEC's staff.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |                                        |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Eustis Engineering L.L.C.                                                                     |                   |  |
| NAME                                                     | James "Jim" Hance, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                   | 22                |                                                                                     |
| TITLE                                                    | Senior Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                            | 4                 |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MBA   2011   Business Admin // MS   2003   Civil Engineering // BS   1998   Civil Engineering |                   |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PE No. 31270   LA   09/30/2026                                                                |                   |                                                                                     |
| YEAR REGISTERED                                          | 2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DISCIPLINE                                                                                    | Civil Engineering |                                                                                     |
| Contract role(s) / brief description of responsibilities | Jim will serve as <b>GEOTECH QA/QC</b> for this project. Jim is a Senior Project Manager with over 26 years of civil engineering experience. His role involves scope development and technical reviews for projects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                               |                   |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                               |                   |                                                                                     |
| 06/21 - Ongoing                                          | <p><b>PORT OF NEW ORLEANS - LOUISIANA INTERNATIONAL TERMINAL   Contract Nos. PORTNOLA-2020-332 and PORTNOLA-2022-648   Violet, LA (24618.00-.12)</b></p> <p><b>Geotechnical Designer of Record.</b> Jim oversaw Eustis Engineering's services as the geotechnical designer of record for the Wharf and Ramps and the designs of the land-side features for the Louisiana International Terminal (LIT). This involved an extensive program of soil borings, cone penetration tests, and electrical resistivity tomography. Eustis Engineering's design services continued with the geotechnical instrumentation and monitoring of two test embankments and a pile load test program. In addition to design phase services, Eustis Engineering's contributions to the LIT project include construction materials testing (CMT) for field test studies that were an extension of the design phase services. These CMT services involved testing of soils used as embankment fill for the test surcharges, on-site observations, and logging the installation of the driven concrete piles for the pile load testing program. Jim has been involved in all aspects of the project since inception including ongoing communication with the design firms, the Construction Manager at Risk, the Project Management Team, the Port of New Orleans, and the U.S. Army Corps of Engineers (USACE).</p>                 |                                                                                               |                   |                                                                                     |
| 08/16 - 06/25                                            | <p><b>STATE OF LOUISIANA - CPRA, MID-BARATARIA SEDIMENT DIVERSION PROJECT, MISSISSIPPI RIVER MILE 60.7 AHP   CPRA Project No. BA-0153, CPRA Contract No. 4400013603, Eustis Engineering Project Nos. 23325.00 - .12   Plaquemines and Jefferson Parishes, LA</b></p> <p><b>Project Manager and Lead Geotechnical Engineer.</b> Jim was the project manager as well as the lead geotechnical engineer for the field exploration, laboratory testing, and geotechnical design of this landmark project for the State of Louisiana, Coastal Protection and Restoration Authority (CPRA). Jim has worked consistently with CPRA, the U.S. Army Corps of Engineers (USACE), the Construction Manager At Risk (CMAR), and many design firms. He oversaw Eustis Engineering's massive field program comprising 162 borings (3 and 5-in. diameters) and 98 cone penetration tests (CPTs) for the three exploration phases (15%, 30%, and 60%). Beyond the field program, the laboratory program had many thousands of undrained and drained shear strengths, consolidation, direct simple shear, Atterberg limit, sieve, and moisture content tests. Jim participated in a Semi-Quantitative Risk Assessment with the USACE. All aspects of geotechnical engineering analyses and design have been brought to bear on this project. The 100% design and Section 408 Permit Application were completed in May 2023.</p> |                                                                                               |                   |                                                                                     |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Eustis Engineering L.L.C.                                                                                                                                                                                                                                                         |                   |  |
| NAME                                                     | Patrick Thurmond, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                                                                                                                                                                                                       | 11                |                                                                                     |
| TITLE                                                    | Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                                                                                                                                                                                                                | 0                 |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Post Graduate Program   2022   Data Science and Business Analytics // Graduate Certificate   2021   Coastal Sciences // MS   2020   Civil Engineering // MS   2018   Engineering Management // Graduate Certificate   2018   Coastal Engineering // BS   2015   Civil Engineering |                   |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PE No. 0044237   LA   09/30/2026                                                                                                                                                                                                                                                  |                   |                                                                                     |
| YEAR REGISTERED                                          | 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DISCIPLINE                                                                                                                                                                                                                                                                        | Civil Engineering |                                                                                     |
| Contract role(s) / brief description of responsibilities | Patrick will provide <b>GEOTECHNICAL/GEOLGY</b> services for this project. Patrick is a Project Manager with 11 years of geotechnical engineering experience. His role involves scope development and technical reviews for projects. <b>Patrick meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 18</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                   |                   |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                   |                   |                                                                                     |
| 06/21 - Ongoing                                          | <b>PORT OF NEW ORLEANS - LOUISIANA INTERNATIONAL TERMINAL   Port of New Orleans   Violet, LA (24618.00-.12)</b><br><b>Project Manager.</b> Patrick has been involved in the Louisiana International Terminal project since 2021. This project involves the design and construction of a new container terminal along the soft soil deposits of the Mississippi River. Eustis Engineering's involvement in the project includes a comprehensive range of geotechnical services. These services are essential for understanding the subsurface conditions and providing necessary data for design and construction of the terminal's infrastructure. The scope of work involved geotechnical exploration; data analysis and reporting; load testing and monitoring; and test embankment design, instrumentation, and monitoring. Patrick served as Project Manager for various stages of this effort. He has dedicated over 2,000 hours to project coordination, field coordination, engineering analyses, oversight of the geotechnical instrumentation for the test embankment sites, oversight of the pile load test program, preparing numerous design deliverables, and countless other tasks. |                                                                                                                                                                                                                                                                                   |                   |                                                                                     |
| 10/22 - Ongoing                                          | <b>U.S. ARMY CORPS OF ENGINEERS - MORGANZA TO THE GULF HURRICANE PROTECTION PROJECT   Minors Canal Floodgate Complex and Shell Canal East Floodgate Complex   Terrebonne Parish, LA (24889)</b><br><b>Project Manager.</b> Eustis Engineering provided geotechnical field and laboratory services for the Minors Canal Floodgate Complex as part of the U.S. Army Corps of Engineers Morganza to the Gulf Hurricane Protection Project. The effort included marine, marsh, and land-based subsurface investigations consisting of soil borings and cone penetration tests. Our scope also included laboratory testing of undisturbed samples to characterize stratigraphy, strength, and compressibility for floodgate design support. The results were documented in a comprehensive Geotechnical Data Report prepared in coordination with Stantec, the geotechnical design engineer for the project. Patrick assisted with the coordination of the field and laboratory services.                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                   |                   |                                                                                     |
| 10/22 - 2/23                                             | <b>NATIONAL PARK SERVICE - JEAN LAFITTE NATIONAL HISTORICAL PARK   Preserve Trail Improvements at Barataria Preserve   New Orleans, LA (24895)</b><br><b>Project Manager.</b> Eustis Engineering was engaged to provide professional geotechnical services, beginning with a detailed exploration of the subsurface conditions. The geotechnical investigation was meticulously planned and executed, involving a combination of three deep, undisturbed sample borings (to 60 feet), thirteen collocated hand auger borings and dynamic cone penetration tests (DCPTs), two cone penetration tests (CPTs), and four direct push Geoprobe® borings. These explorations were strategically distributed along the trail alignments to capture the variability of subsurface conditions across the project area. As Project Manager, Patrick coordinated field work, managed the project schedule, and reviewed CPT data. He also signed the final geotechnical report.                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                   |                   |                                                                                     |
| 01/21 - Ongoing                                          | <b>BAYOU BARATARIA BRIDGE REPLACEMENT   LADOTD   Jefferson Parish, Louisiana (24515.00-.04)</b><br><b>Project Manager.</b> The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and land access, and drilled 24 borings over water, marsh, and pavement. Geotechnical design analyses include vertical and lateral pile capacity with and without scour, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Engineering during construction (EDC) includes Wave Equation Analysis of Piles (WEAP) drivability, dynamic pile testing with signal matching, and development of a vibration monitoring plan. Patrick initially planned and performed a precondition survey and later provided support on the PDA process.                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |                   |                                                                                     |



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| <b>05/21 – Ongoing</b> | <p><b>JEFFERSON PARISH - PROPOSED MULTI-USE PATHWAYS AND BRIDGES   Bucktown at 17th Street Canal and Veterans Boulevard   Jefferson Parish, LA (23920 - .02, 25282)</b></p> <p><b>Project Manager.</b> These projects involve construction of a new bridge crossing Veterans Memorial Boulevard as well as a bike path extending north and south of the bridge along the west side of the 17th Street Canal. A second bridge is planned where this multi-use path will cross the 17th Street Canal in Bucktown. These new features parallel and cross an existing floodwall with project stakeholders including the local levee district; the State of Louisiana Coastal Protection and Restoration Authority; and the U.S. Army Corps of Engineers, New Orleans District. Additionally, the New Orleans Regional Planning Commission is a stakeholder for continuation of the path into New Orleans after crossing the canal. Eustis Engineering obtained the relevant drilling permits and performed soil borings and associated laboratory testing along the proposed pathway and at the proposed bridges. These data were used to provide design recommendations and limits for the bridge, path, and levee embankment. Patrick performed engineering analyses in support of deep foundation design, slope stability for the existing flood protection features, and a lightweight embankment design. Patrick also coordinated with the structural engineer and regulatory agencies through several design iterations to provide solutions to complex spatial limitations for the Veterans Bridge and pathway alignments. Similar coordination is ongoing for the Bucktown bridge alignment</p> |
| <b>02/18 – 10/19</b>   | <p><b>GREATER NEW ORLEANS EXPRESSWAY COMMISSION (GNOEC) - LAKE PONTCHARTRAIN CAUSEWAY, SAFETY BAY IMPROVEMENTS   Jefferson and St. Tammany Parishes, LA (23800.00-.03)</b></p> <p><b>Project Manager.</b> Field exploration included 20 soil borings within Lake Pontchartrain to supplement historical data. Engineering analyses and recommendations included ultimate compressive and tensile vertical pile capacity curves, lateral load analyses, settlement estimates, and pile load testing recommendations. Engineering design support during construction comprised submittal reviews, review and evaluation of daily pile driving records, and responses to RFIs. End-of-drive and restrike dynamic pile tests were performed on precast concrete piles, and the data obtained was used to develop installation criteria for job piles. Patrick completed the design analyses compiled in the geotechnical report as the project engineer. As a field engineer, Patrick spent many hours performing Wave Equation Analysis of Piles (WEAP) analyses and utilizing a Pile Driving Analyzer® in the early stages of construction.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>07/15 - 06/24</b>   | <p><b>STATE OF LOUISIANA – ROUTE I-10, WILLIAMS BOULEVARD TO VETERANS BOULEVARD AND LOYOLA DRIVE TO WILLIAMS BOULEVARD   Jefferson Parish, LA (21687.05)</b></p> <p><b>Project Manager.</b> This project involves the widening of I-10 between two interchanges in Jefferson Parish, LA. Engineering analyses included settlement estimates, slope stability analyses, development of a preload/surcharge program, and evaluation of construction sequencing. Patrick was involved in this project in various ways including managing the design of a staged surcharge program, performing LPILE analyses, completing stability and settlement analyses, and curating deliverables. He maintained a close working relationship with the client's team throughout the work.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                     |                   |                                                                                    |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Eustis Engineering L.L.C.                                                                                                                           |                   |  |
| NAME                                                     | Travis Richards, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                                                                         | 19                |                                                                                    |
| TITLE                                                    | Vice President of Testing and Senior Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                                                                                  | 7                 |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Graduate Certificate   2018   Coastal Engineering // MS   2017   Engineering // MS   2015   Engineering Management // BS   1998   Civil Engineering |                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PE No. 0030992   LA   03/31/2027                                                                                                                    |                   |                                                                                    |
| YEAR REGISTERED                                          | 2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DISCIPLINE                                                                                                                                          | Civil Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | Travis will provide <b>GEOTECHNICAL/GEOLOGY</b> services for this project. Travis is the engineer in responsible charge for the quality control, technical functions, and performance of the soil mechanics' laboratory testing regarding our accreditations for geotechnical and construction materials testing in Louisiana. <b>Travis meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 19</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                     |                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                     |                   |                                                                                    |
| 06/21 - Ongoing                                          | <b>PORT OF NEW ORLEANS - LOUISIANA INTERNATIONAL TERMINAL   Port of New Orleans   Violet, LA (24618.00-.12)</b><br><b>Senior Project Manager.</b> Eustis Engineering's involvement in the project includes a comprehensive range of geotechnical services. These services are essential for understanding the subsurface conditions and providing the necessary data for the design and construction of the terminal's infrastructure. The scope of work involves geotechnical exploration; data analysis and reporting; load testing and monitoring; and test embankment design, instrumentation, and monitoring. Eustis Engineering's contributions to the Port of New Orleans - Louisiana International Terminal project also include CMT. These services involve testing soils used as embankment fill for the test surcharges, on-site observations of the clearing and stripping, and site preparation activities at the test embankment sites. In addition, our CMT technicians logged the installation of the driven concrete piles for the pile load testing program. Travis reviewed the instrumentation plans, cone penetration test (CPT) data, and data on slope inclinometers associated with the test embankment sites in addition to handling troubleshooting. |                                                                                                                                                     |                   |                                                                                    |
| 06/21 - 01/22                                            | <b>I-10 CALCASIEU RIVER BRIDGE PROJECT   LADOTD   Lake Charles, LA (24584)</b><br><b>Senior Project Manager.</b> This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, the test to establish the percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the client. Travis' responsibilities included adjustments to the gINT library to produce the requested information. He also provided a quality level review of the data and laboratory summaries.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                     |                   |                                                                                    |
| 01/21 - 12/23                                            | <b>BAYOU BARATARIA BRIDGE   LADOTD   Jefferson Parish, LA (24515)</b><br><b>Senior Project Manager.</b> The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. Geotechnical analyses include vertical and lateral pile analyses, pile scour capacity, lateral load analyses, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Travis oversaw the QA/QC of laboratory testing services and reporting. He adjusted the gINT® database/library to allow for client requested formatting and report generation to complete the data report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                     |                   |                                                                                    |
| 03/20 - 06/25                                            | <b>I-10 AND I-12 COLLEGE FLYOVER RAMP DESIGN-BUILD PROJECT   LADOTD   East Baton Rouge Parish, LA (B0646)</b><br><b>Senior Project Manager.</b> Services for this project included undisturbed borings, auger borings, and cone penetration tests (CPTs). Eustis Engineering also provided laboratory testing including one-point unconsolidated undrained triaxial compression shear, Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Travis provided quality review of the laboratory testing services and CPT results.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                     |                   |                                                                                    |
| 03/18 - 01/19                                            | <b>ORLEANS LEVEE DISTRICT - WEST ROADWAY STREET DRAINAGE REPAIRS, SOUTH ROADWAY STREET TO FLOODGATE L-01   New Orleans, LA (23789)</b><br><b>Senior Project Manager.</b> Travis provided direct oversight of the field inspectors, laboratory testing of soils and concrete, and quality assurance. Travis also provided review of material submittals, dispute resolution, and acted as a liaison among construction materials testing and project civil and geotechnical engineers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                     |                   |                                                                                    |
| 04/17 - 07/18                                            | <b>CITY OF NEW ORLEANS, BOURBON STREET RECONSTRUCTION PROJECT, CANAL STREET TO DUMAINE STREET   New Orleans, LA (23548, .01)</b><br><b>Project Manager.</b> Travis provided direct oversight and review of soils and aggregates materials' sampling and laboratory testing, inplace nuclear density testing, and vibration monitoring results. Reporting and managing data were handled through an online database, MetaField.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                     |                   |                                                                                    |



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| 01/12 – 06/24 | <p><b>STATE OF LOUISIANA - ROUTE I-10, WILLIAMS BOULEVARD TO VETERANS BOULEVARD AND LOYOLA DRIVE TO WILLIAMS BOULEVARD   Jefferson Parish, LA (21687.00-.05)</b></p> <p><b>Senior Project Manager.</b> Travis performed settlement analyses for various embankment fill heights and widths as well as slope stability analyses to evaluate each of the canal crossings. He also provided a quality review of the 6,261 feet of soil borings tested and the 8,553 feet of CPTs processed during the exploration phases.</p>                                                                                                                                                                                                                                                                                                                          |
| 02/09 – 03/15 | <p><b>U.S. ARMY CORPS OF ENGINEERS - PREPARATION OF DESIGN DOCUMENTATION REPORT AND PLANS AND SPECIFICATIONS, WBV-74 AND WBV 09B, WESTERN TIE-IN CLOSURE STRUCTURE   St. Charles and Plaquemines Parish, LA (20536)</b></p> <p><b>Instrumentation Engineer.</b> Travis was the instrumentation engineer assigned to the project. He was involved in the development and implementation of the instrumentation plan and oversaw the field installation of the geotechnical monitoring equipment including data loggers. Travis processed instrumentation readings and created modeling of the preload/surcharge stacks to evaluate progress of the project preload/surcharge program. He also summarized the instrumentation readings and observations in the form of geotechnical data reports.</p>                                                 |
| 04/08 – 04/14 | <p><b>U.S. ARMY CORPS OF ENGINEERS - INNER HARBOR NAVIGATION CANAL SURGE PROTECTION PROJECT   New Orleans, LA (20243.00 - .15): )</b></p> <p><b>Geotechnical Design Lead/Project Manager.</b> Travis' role as the geotechnical design lead included project management and review of deliverables of other geotechnical engineering consultants during the project, geotechnical design of project features, oversight and acceptance of piles driven to support the project, and served as the liaison for geotechnical matters for the design-build contractor, Shaw E&amp;I, during the project. In his role as Project Manager, he also oversaw that all laboratory testing was conducted in a USACE validated laboratory and that quality control procedures were implemented for the processing, testing, and reporting of all test data.</p> |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Eustis Engineering L.L.C.                          |     |  |
| NAME                                                     | Ryan Rodrigue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 23  |                                                                                    |
| TITLE                                                    | Laboratory Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 0   |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | High School   1998   General Studies               |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N/A                                                |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DISCIPLINE                                         | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Ryan will provide <b>GEOTECHNICAL/GEOLOGY</b> services for this project. Ryan is a Laboratory Manager with more than five years of geotechnical experience. His certifications include: ACI: Concrete Strength Testing Technician; ACI: Concrete Laboratory Testing Technician, Level 1; ACI: Aggregate Testing Technician, Level 1; ACI: Aggregate Base Testing Technician; NICET Certification No. 111500: Geotechnical Engineering Technology - Level IV and Construction Materials Testing – Soils, Level II. <b>Ryan meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 20</b>                                                                                                                                                                                                                                                                                                                                                                               |                                                    |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |     |                                                                                    |
| 06/21 - Ongoing                                          | <b>PORT OF NEW ORLEANS - LOUISIANA INTERNATIONAL TERMINAL   Port of New Orleans   Violet, LA (24618.00-.12)</b><br><b>Laboratory Manager.</b> Eustis Engineering's involvement in the project includes a comprehensive range of geotechnical services. These services are essential for understanding the subsurface conditions and providing the necessary data for the design and construction of the terminal's infrastructure. The scope of work involved geotechnical exploration, data analysis and reporting, load testing and monitoring, and test embankment design, instrumentation, and monitoring. Eustis Engineering's contributions to the Port of New Orleans - Louisiana International Terminal project also include construction materials testing. These services involved testing of soils used as embankment fill for the test surcharges, on-site observations of the clearing and stripping, and site preparation activities at the test embankment sites. As Laboratory Manager, Ryan managed laboratory testing efforts throughout the various stages of this project. |                                                    |     |                                                                                    |
| 06/21 – 01/22                                            | <b>I-10 CALCASIEU RIVER BRIDGE PROJECT   LADOTD   Lake Charles, LA (24584)</b><br><b>Laboratory Manager.</b> This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, the test to establish the percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the client. Ryan oversaw laboratory testing and provided quality assurance review of laboratory data.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                    |     |                                                                                    |
| 01/21 – 12/23                                            | <b>BAYOU BARATARIA BRIDGE   LADOTD   Jefferson Parish, LA (24515)</b><br><b>Laboratory Manager.</b> The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering L.L.C. obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. As Laboratory Manager, Ryan provided scheduling and oversaw laboratory testing, data management, and quality assurance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |     |                                                                                    |
| 03/20 – 06/25                                            | <b>I-10 AND I-12 COLLEGE FLYOVER RAMP DESIGN-BUILD PROJECT   LADOTD   East Baton Rouge Parish, LA (B0646)</b><br><b>Laboratory Manager.</b> Services for this project included undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also provided laboratory testing including shear tests, Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Ryan was responsible for reviewing laboratory data reports and coordination with the project manager on the testing schedule to meet project needs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |     |                                                                                    |
| 06/18 – 11/18                                            | <b>PORT OF NEW ORLEANS - ALMONASTER BRIDGE OVER THE INNER HARBOR NAVIGATION CANAL   New Orleans, LA (22066, .01)</b><br><b>Laboratory Manager.</b> Ryan oversaw laboratory testing and reviewed laboratory data for this project. Although this bridge is owned and operated by the Port of New Orleans, numerous stakeholders were considered for the design basis and data reporting. The testing and boring log format implemented for the project included LaDOTD standards for the borings made for the vehicular and railroad bridge. U.S. Army Corps of Engineers standards were considered where the new approach embankments intersected the existing flood protection. Finally, shallow borings for the approach roadways considered City of New Orleans, Department of Public Works standards.                                                                                                                                                                                                                                                                                      |                                                    |     |                                                                                    |

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| 01/18 – 04/21 | <p><b>CANAL BOULEVARD RECONSTRUCTION, ROBERT E. LEE BOULEVARD TO AMETHYST STREET   LADOTD   Orleans Parish, LA (23726)</b></p> <p><b>Laboratory Manager.</b> The scope of work for this project included soil mechanics laboratory tests, inplace nuclear density tests, concrete inspections, compressive strength testing of concrete cylinders, and asphalt pavement cores at 172 locations to the approximate 12-in. depth. Ryan was responsible for overseeing laboratory testing and reviewing laboratory data.</p>                                                                                                                                                          |
| 01/12 - 07/17 | <p><b>STATE OF LOUISIANA - INTERSTATE 10, WILLIAMS BOULEVARD TO VETERANS BOULEVARD AND LOYOLA DRIVE TO WILLIAMS BOULEVARD   Jefferson Parish, LA (21687.00)</b></p> <p><b>Laboratory Manager.</b> Eustis Engineering completed a total of 6,261 feet of undisturbed borings and 8,553 feet of cone penetration test soundings on this project. Engineering analyses included settlement estimates, slope stability analyses, development of a preload/surcharge program, and evaluation of construction sequencing. Ryan provided oversight of laboratory testing and reviewed laboratory data for inclusion in the gINT® database for reporting of logs in the LaDOTD format.</p> |

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|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------|
| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Eustis Engineering L.L.C.                          |                             |  |
| NAME                                                     | Lawrence "Larry" Rome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 31                          |                                                                                    |
| TITLE                                                    | Operations Manager and VP of Operations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 0                           |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Associate's Degree   1998   Applied Sciences       |                             |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Water Well Contractor   LA   06-30-2026            |                             |                                                                                    |
| YEAR REGISTERED                                          | 2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DISCIPLINE                                         | Geotechnical Field Services |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Larry will provide <b>GEOTECHNICAL/GEOLGY</b> services for this project. Larry has more than 10 years of experience as a field crew driller/supervisor within the State of Louisiana. As Operations Manager, the laboratory manager also reports to him. In addition to holding the drilling (water well) license for the company, Larry's certifications for field and laboratory services include: American Society of Certified Engineering Technicians; Confined Space Entry Certification; Greater New Orleans Industrial Education Council Safety Training; HAZMAT Certification, 49 CFR 172, Subpart H, Nuclear Gauges; International Code Council: Soils Special Inspector; NICET Certification No. 95800: Geotechnical Engineering Technology – Construction, Level II; Geotechnical Engineering Technology – Generalist, Level III; Geotechnical Engineering Technology – Exploration, Level IV; Geotechnical Engineering Technology – Laboratory, Level IV; Construction Materials Testing – Asphalt, Level I; Construction Materials Testing – Concrete, Level II; Construction Materials Testing – Soils, Level IV; Transportation Engineering Technology - Highway Materials, Level III; 10-Hour OSHA Training; Transportation Workers Identification Card (TWIC). <b>Larry meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 21</b></p> |                                                    |                             |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |                             |                                                                                    |
| 06/21 - Ongoing                                          | <p><b>PORT OF NEW ORLEANS - LOUISIANA INTERNATIONAL TERMINAL   Port of New Orleans   Violet, LA (24618.00-.12)</b><br/> <b>Field Crew Driller/Supervisor.</b> Eustis Engineering's involvement in the project includes a comprehensive range of geotechnical services. These services involved geotechnical exploration, data analysis and reporting, load testing and monitoring, and test embankment design, instrumentation, and monitoring. Larry participated in preconstruction meetings, assisted field crews in setting up geotechnical instrumentation, and scheduled field operations for all exploration phases.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                    |                             |                                                                                    |
| 12/24 - 05/25                                            | <p><b>BAYOU MACON BRIDGE REPLACEMENT, U.S. HIGHWAY 80   LADOTD   Delhi, Louisiana (25396)</b><br/> <b>Field Crew Driller/Supervisor.</b> LADOTD planned to replace the Bayou Macon Bridge near Delhi in Richland Parish. Eustis Engineering performed five soil borings to depths of 120 feet, four borings performed on land adjacent to the bridge abutments and one boring performed within Bayou Macon adjacent to the bridge. Soil mechanics laboratory tests were performed in our accredited laboratory to meet LADOTD standards. Larry visited the project site and managed field operations. He also coordinated the subcontracted services for the marine boring.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                    |                             |                                                                                    |
| 05/21 - 01/22                                            | <p><b>I-10 CALCASIEU RIVER BRIDGE PROJECT   LADOTD   Lake Charles, LA (24584)</b><br/> <b>Field Crew Driller/Supervisor.</b> This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Larry's duties included review of the project schedule with the Project Manager, schedule adjustments for the field crews, ensuring changes in field scope were communicated to the drilling supervisor and field crews, and overall quality control of the field services. He also coordinated with the third party providing equipment for access to the borings made in a marsh environment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                    |                             |                                                                                    |
| 01/21 - 12/23                                            | <p><b>BAYOU BARATARIA BRIDGE   LADOTD   Jefferson Parish, LA (24515)</b><br/> <b>Operations Manager.</b> For this full replacement of the Bayou Barataria Bridge, we obtained relevant permits and access and drilled 20 borings over water or marsh to depths of 100 to 200 feet below the mudline, and also performed 4 shallow pavement borings. As Operations Manager, Larry was responsible for ensuring the completeness of the field work order and utility clearances; schedule adjustments and coordination with the drilling supervisor, subcontractors, and crews; and quality control over the field logs submitted to the laboratory. Between project authorization and mobilization of our crews, the area was impacted by Hurricane Ida that increased the urgency of the new bridge. The U.S. Army Corps of Engineers installed and operated a temporary bridge after the hurricane. However, this also impacted our access to the marine boring operations and required additional coordination efforts. Larry stepped up to this challenge and managed our efforts seamlessly.</p>                                                                                                                                                                                                                                                                                                 |                                                    |                             |                                                                                    |



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| 03/20 – 06/25 | <p><b>I-10 AND I-12 COLLEGE FLYOVER RAMP DESIGN-BUILD PROJECT   LADOTD   East Baton Rouge Parish, LA (B0646)</b></p> <p><b>Field Crew Driller/Supervisor.</b> Major features of this project include a flyover ramp exit to College Drive, a modified exit from I-12 West, and a parallel, separated at-grade ramp along I-10 West to the existing College Drive Interchange. Services for this project included undisturbed borings, auger borings, and cone penetration tests. Larry's responsibilities for this project included high-level project coordination such as site visits, schedule reviews, field coordination and scheduling, including traffic control considerations.</p>                                                                                                                                                               |
| 03/11 – 08/16 | <p><b>STATE OF LOUISIANA - WISNER BOULEVARD OVERPASS, ORLEANS PARISH, LOUISIANA (22972, 22637, 21349, 21966)</b></p> <p><b>Field Crew Driller/Supervisor.</b> Eustis Engineering was involved with several phases of the Wisner Boulevard Overpass project. Initial involvement began in 2011 with the performance of 12 soil borings (each 100 feet in depth) for the proposed widening of the existing bridge under State Project No. H.004732.5. Thirteen soil borings were added to the project in 2012 when a full replacement was being considered. Larry dedicated many hours to the oversight of drilling activities to both exploration phases for this project.</p>                                                                                                                                                                             |
| 02/09 – 04/10 | <p><b>U.S. ARMY CORPS OF ENGINEERS – INNER HARBOR NAVIGATION CANAL SURGE PROTECTION PROJECT, ORLEANS AND ST. BERNARD PARISHES, LOUISIANA (20243.00-.15)</b></p> <p><b>Field Crew Driller/Supervisor.</b> The project would allow the U.S. Army Corps of Engineers to achieve a level of 100-year flood protection for some of the region's areas most prone to flooding. As Operations Manager, Larry dedicated over 250 hours to this effort, including QA/QC duties during the exploration phases. Geotechnical explorations were conducted with multiple crews in marsh, marine and land-based environments to meet schedule and site constraints. This project was fast-paced and included coordination with multiple stakeholders in addition to third-party equipment operators to complete the explorations to meet the design team's demands.</p> |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Forte and Tablada, Inc.                                         |                                  |  |
| NAME                                                     | Bradley Holleman, PLS, PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                     | 5                                |                                                                                    |
| TITLE                                                    | Senior Vice President, Survey/AMM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)              | 15                               |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BS   2009   Civil Engineering, minor in Land Surveying          |                                  |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PLS No. 5082   LA   09/30/2026 // PE No. 47165   LA   3/31/2027 |                                  |                                                                                    |
| YEAR REGISTERED                                          | 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DISCIPLINE                                                      | Land Surveying // Civil Engineer |                                                                                    |
| Contract role(s) / brief description of responsibilities | Bradley will provide <b>LIDAR, HYDROGRAPHIC SURVEY/SUE</b> services for this project. Bradley will coordinate closely with the Project Manager to ensure that the contract is properly estimated, initiated, and completed on schedule—meeting both LADOTD deliverable standards and Forte and Tablada's quality expectations. Since 2013, Bradley has developed extensive experience in processing and interpreting LiDAR data to generate accurate surface models, meeting the minimum personnel requirement for this contract. He also brings a strong background in Subsurface Utility Engineering (SUE), having performed and managed investigations across all four quality levels (A, B, C, and D). In addition, he has significant hydrographic surveying experience throughout Louisiana's rivers, lakes, and coastal environments. His well-rounded skillset and leadership have contributed to the successful delivery of numerous LADOTD topographic, LiDAR, SUE and hydrographic surveying projects. <b>Bradley meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 16, 17</b> |                                                                 |                                  |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 |                                  |                                                                                    |
| 05/12 - 09/12                                            | <b>H.009456 – TCHEFUNCTE RIVER BRIDGE   Tangipahoa Parish, LA</b><br><b>Surveyor-in-Charge</b> for the topographic survey, hydrographic survey, existing drainage map and SUE Quality Levels C and D. This project was for a bridge replacement over the Tchefuncte River in Tangipahoa Parish. The work consisted of completing a topographic survey, according to the LADOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits. The topographic survey included a hydrographic survey of the Tchefuncte River.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                 |                                  |                                                                                    |
| 09/13 – 03/14                                            | <b>H.002375 AMITE RIVER BRIDGE NEAR FRENCH SETTLEMENT   Livingston Parish, LA</b><br><b>Surveyor-in-Charge</b> for the topographic survey, LiDAR scanning, hydrographic survey, existing drainage map and SUE Quality Levels C and D. This project was for constructing a new bridge over Amite River in French Settlement Louisiana to the replace the existing swing bridge. The work consisted of completing a topographic survey, according to the LADOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits. The topographic survey included a hydrographic survey of the Amite River as well as collecting and utilizing LiDAR data to generate surface and bridge models. This project demonstrates Bradley's ability to fulfill MPR 25 of having more than five (5) years in developing surface models from LiDAR data.                                                                                                                                                                       |                                                                 |                                  |                                                                                    |
| 12/14 – 03/16                                            | <b>H.011137 &amp; H.011152- I-12 (LA 21 TO LA 59)   St. Tammany Parish, LA</b><br><b>Surveyor-in-Charge</b> for the topographic survey, LiDAR scanning, hydrographic survey, existing drainage map and SUE Quality Levels C and D. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish. The topographic survey included a hydrographic survey of the Tchefuncte River as well as collecting and utilizing LiDAR data to generate surface and bridge models.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                 |                                  |                                                                                    |
| 06/15 - 12/15                                            | <b>H.011224 US 190 GUARDRAIL / RUTTING REPAIR   Pointe Coupee, LA</b><br><b>Surveyor-in-Charge</b> for the topographic survey and 3D LiDAR scanning. This project was for constructing a replacement guardrail along US 190 in Pointe Coupee Parish due to damage. The work consisted of completing a topographic survey, according to the LADOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits. The topographic survey was conducted utilizing mobile LiDAR to generate surface models and guardrail models.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                 |                                  |                                                                                    |



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| 06/16 - 02/17 | <p><b>H.000263 CHEF MENTEUR PASS BRIDGE   Orleans Parish, LA</b></p> <p><b>Surveyor-in-Charge</b> for the topographic survey, LiDAR scanning, hydrographic survey, existing drainage map and SUE Quality Levels C and D. This project was for the design of new bridge to replace the existing swing bridge on US 90 over Chef Menteur Pass. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits. The topographic survey included a hydrographic survey of Chef Menteur Pass as well as collecting and utilizing LiDAR data to generate surface and bridge models.</p> |
| 01/18 - 04/20 | <p><b>H.004100- I-10: LA 415 TO ESSEN LANE   East Baton Rouge Parish, LA</b></p> <p><b>Surveyor-in-Charge</b> for the topographic survey, LiDAR scanning, existing drainage map and SUE Quality Levels B, C and D. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish. This Survey was part of a larger project that extended West to LA 415 and included a team of 4 Survey firms to complete the work on schedule. The topographic survey included collecting and utilizing LiDAR data to generate surface and bridge models.</p>                                                                                                                                                                                      |
| 07/16 - 08/18 | <p><b>LADOTD IDIQ FOR SUBSURFACE UTILITY ENGINEERING   Statewide, LA</b></p> <p><b>Engineer-in-Charge</b> of subsurfacing utility engineering for multiple task orders which included ASCE Quality Level A, B, C and D services. Task Orders including performing SUE services for H.010008, H.001779, H.009956, H.001270, H.010616, H.011152, H.011310, H.011987, H.013114, H.007300, H.001661 and H.000370.</p>                                                                                                                                                                                                                                                                                                                                                                    |
| 01/21 - 12/22 | <p><b>CONTRACTS 4400010587 - TASK ORDER 18; 4400015237- TASK ORDER 1; 4400021974 - TASK ORDERS 1, 3, AND 4- H.003931 - CALCASIEU RIVER BRIDGE (HBI)   Calcasieu Parish, LA</b></p> <p><b>Principal-in-Charge</b> for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase. The topographic survey included collecting and utilizing LiDAR data to generate surface and bridge models.</p>             |
| 06/22 - 12/22 | <p><b>CRESCENT CITY CONNECTION BRIDGES HYDROGRAPHIC SURVEY   New Orleans, LA</b></p> <p><b>Principal-in-Charge</b> for the multibeam hydrographic survey on the Crescent City Connection bridges in New Orleans, LA. The focus of the project was to document 2 piers, scour/debris, and produce sounding tables at increments upstream and downstream of each pier. In order to capture the necessary vertical information on the 2 pier structures, the R2Sonic 2022 was tilted to 30 degrees, allowing data capture from the waterline down. A full multibeam survey from approximately 350' upstream and downstream was performed giving a comprehensive look at the water bottom around the bridge.</p>                                                                         |
| 01/23 - 01/24 | <p><b>CONTRACT 4400021974 - TASK ORDER 2- H.014218 US190 - LIVINGSTON PARISH LINE   East Baton Rouge Parish, LA</b></p> <p><b>Principal-in-Charge</b> for this project providing topographic survey, Mobile LiDAR, and drainage mapping. This project is in a dense urban area and includes approximately 4 miles of a 4 lane highway. The purpose of the project is to complete a road overlay and drainage improvements. The topographic survey included collecting mobile LiDAR throughout the entire project length to generate surface models of US 190.</p>                                                                                                                                                                                                                    |
| 02/25 - 05/25 | <p><b>CONTRACT 4400021974- TASK ORDER 13- H.016278- US 167: MEDIAN IMPROVEMENTS   Vermilion Parish, LA</b></p> <p><b>Principal-in-Charge</b> for providing topographic and Mobile LiDAR surveying for improvements of US 167. The survey included over 2 miles along a divided 4 lane highway in a rural area. The topographic survey includes collecting and utilizing LiDAR data to generate surface models.</p>                                                                                                                                                                                                                                                                                                                                                                   |
| 07/23 - 02/26 | <p><b>MID BARATARIA SEDIMENT DIVERSION   Plaquemines Parish, LA</b></p> <p><b>Principal-in-Charge</b> of the Survey QA team for the construction of the Mid Barataria Sediment Diversion project. The QA component of this project involves conducting bi-weekly LiDAR UAV flights to generate surface models for construction pay application verification.</p>                                                                                                                                                                                                                                                                                                                                                                                                                     |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Forte and Tablada, Inc.                            |     |  |
| NAME                                                     | Brent Campbell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 13  |                                                                                    |
| TITLE                                                    | Group Leader – Remote Sensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 0   |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BS   2013   Construction Management                |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N/A                                                |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DISCIPLINE                                         | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Brent will provide <b>LIDAR, HYDROGRAPHIC SURVEY/SUE</b> services for this project. Brent will serve as Remote Sensing Group Lead during this contract, and in that role he will provide supervision over Task Managers of all LiDAR, Photogrammetric, and Hydrographic tasks performed on task orders. Expert with over a decade of experience using terrestrial and mobile/aerial LiDAR systems and accompanying post-processing and extraction software. Widespread experience managing and overseeing execution of projects involving advanced data capture techniques including LiDAR, Photogrammetry, Multibeam Bathymetry, and Aerial Imagery.                                                                        |                                                    |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                    |     |                                                                                    |
| 02/25 – Ongoing                                          | <b>CONTRACT 4400021974- TASK ORDER 13- H.016278- US 167: MEDIAN IMPROVEMENTS   Vermilion Parish, LA</b><br><b>Advanced Measurements Group Leader</b> to provide topographic and Mobile LiDAR surveying for a maiden improvements of the US 167. The survey included over 2 miles along a divided 4 lane highway in a rural area.                                                                                                                                                                                                                                                                                                                                                                                             |                                                    |     |                                                                                    |
| 01/16 - Ongoing                                          | <b>H.004273.5 – I-49 CONNECTOR   LADOTD   Lafayette Parish, LA</b><br><b>LiDAR Technician and Group Leader</b> responsible for providing terrestrial LiDAR survey of roadway features for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed terrestrial LiDAR scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.                                                                                                                                                                                                                                                       |                                                    |     |                                                                                    |
| 01/23 - 01/24                                            | <b>CONTRACT 4400021974- TASK ORDER 2- H.014218 US190-LIVINGSTON PARISH LINE   East Baton Rouge Parish, LA</b><br><b>Advanced Group Leader</b> responsible for management and QAQC of performing Mobile LiDAR and extraction for project providing topographic survey. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements. Mobile LiDAR was utilized, throughout the project, as a means to obtaining topographic data without endangering surveyors.                                                                                                                                                                |                                                    |     |                                                                                    |
| 05/21 - 12/22                                            | <b>CONTRACTS 4400010587- TASK ORDER 18; 4400015237- TASK ORDER 1; 4400021974- TASK ORDERS 1, 3, AND 4- H.003931- CALCASIEU RIVER BRIDGE (HBI)   Calcasieu Parish, LA</b><br><b>Advanced Group Leader</b> responsible for Mobile LiDAR acquisition and extraction, as well as Hydrographic Survey acquisition and extraction efforts. project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. Forte and Tablada completed Mobile LiDAR scanning services for much of the corridor as a means of obtaining topographic data without endangering surveyors. The Survey also included Multibeam Hydrographic survey of Lake Charles, and Terrestrial LiDAR scanning of bridge substructures. |                                                    |     |                                                                                    |
| 03/21 - 12/21                                            | <b>MOVEBR (20-EN-HC-0003) FLORIDA BLVD. CORRIDOR ENHANCEMENT, EAST BATON ROUGE PARISH, LA</b><br><b>Mobile LiDAR Tech</b> responsible for assisting with capturing mobile data. Responsible for processing and extracting the Mobile LiDAR data. This project is in a dense urban area and is approximately 4 miles long. Forte and Tablada completed mobile LiDAR services for much of the congested corridor as a means of obtaining topographic data without endangering surveyors.                                                                                                                                                                                                                                       |                                                    |     |                                                                                    |
| 11/19-12/20                                              | <b>CONTRACT 4400010587- TASK ORDERS 12, 14, AND 15- H.012083- CALCASIEU RIVER BRIDGE INT REPAIRS, CALCASIEU PARISH, LA</b><br><b>Advanced Group Leader</b> responsible for the management and QAQC of data and deliverables for the terrestrial laser scans underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, preformed mobile Lidar for future planning.                                                                                                                                                                                                     |                                                    |     |                                                                                    |
| 10/19-10/20                                              | <b>INSPECTION OF METAL CULVERTS, STATEWIDE, LA</b><br><b>Advanced Group Leader</b> responsible for the management and QAQC of data and deliverables for the terrestrial laser scans underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, preformed mobile Lidar for future planning.                                                                                                                                                                                                                                                                             |                                                    |     |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Gulf South Research Corporation                    |     |  |
| NAME                                                     | Howard Nass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 24  |                                                                                    |
| TITLE                                                    | Senior Biologist / NEPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 7   |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BS   1990   Forest and Wildlife Management         |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | N/A                                                |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DISCIPLINE                                         | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Howard will provide <b>WETLANDS, STREAMS &amp; PERMITTING</b> services for this project. Howard has over 31 years of experience managing and implementing NEPA and NEPA-related studies for various federal, state, and private entities. He has participated in EAs, BAs, EIS, wetland determinations and delineations, wetland mitigation bank development, water resources permitting, and natural resources projects throughout the U.S. Howard has managed the completion of over a dozen BAs in various states. He has taken the NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making". Certifications: U.S. Fish and Wildlife Service (USFWS) Interagency Consultation for Endangered Species, 2006; Basic Wetland Delineation Course, Wetland Training Institute, 1992; Nationwide Wetland Permits, Wetland Training Institute, 1997. <b>Howard meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 8</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                    |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |     |                                                                                    |
| 01/24 - Ongoing                                          | <p><b>EA FOR LOUISIANA GREEN FUELS BIO-REFINERY PROJECT   STRATEGIC BIOFUELS, LLC.   Caldwell Parish, LA</b><br/> <b>Project Manager.</b> GSRC is currently contracted by Strategic Biofuels, LLC. (Strategic) to prepare an EA analyzing the potential effects on the natural and human environment resulting from the construction, operation, and maintenance of a renewable fuels bio-refinery in Caldwell Parish. Strategic is proposing to construct, operate, and maintain the Louisiana Green Fuels (LGF) refinery, a renewable fuels bio-refinery with an ultra-low carbon footprint in northeast Louisiana powered by onsite-generated "green" power that would use forestry residue as a feedstock and include Carbon Capture and Sequestration of the carbon dioxide produced from all processes. The project would also include two approximately 1-mile pipelines, two CO2 injection wells located offsite, and an approximately 1-mile natural gas pipeline. The majority of the project area is agricultural land used for crop production. Howard is responsible for the preparation of the EA; oversight of associated studies (wetlands, cultural resources, and biological resources); schedule; budget; and agency, tribal, and public coordination.</p>                                                                                                                                                                                                                                                                                                                                        |                                                    |     |                                                                                    |
| 09/20 - 09/23                                            | <p><b>EA FOR FACILITY ENHANCEMENTS AND LAND USE MODIFICATION PROJECTS AT COLUMBUS AIR FORCE BASE (CAFB)   USACE MOBILE DISTRICT   MS</b><br/> <b>Senior Reviewer.</b> Howard served as the Senior Reviewer for the EA to address the potential effects, beneficial and adverse, resulting from the proposed construction, demolition, and land use modifications of multiple planned actions at CAFB, Mississippi. The 14th Civil Engineer Squadron (CES)/Civil Engineering Environmental Installation (CEIE) plans the replacement and construction of the Physical Fitness Center, replacement and construction of the Water Storage Tank, and the permanent fill in of Strategic Air Command (SAC) Lake. The Region of Influence (ROI) of the Proposed Action (projects) is the land area within the boundaries of the CAFB. In support of the permanent fill in of the SAC Lake, GSRC staff biologists conducted a biological resources survey of flora and fauna species in the vicinity of the proposed project. CAFB is also planning for the acquisition of 118.2 acres of land abutting the East/South-East property line of Columbus AFB from a private individual to the United States Air Force (USAF).</p>                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |     |                                                                                    |
| 11/18 - 09/21                                            | <p><b>TEXADA II MITIGATION BANK MITIGATION BANKING AGREEMENT   TEXADA PROPERTIES, INCORPORATED   Iberville Parish, LA</b><br/> <b>Project Manager.</b> Howard managed the development of the Mitigation Banking Instrument for an approximately 106-acre wetland mitigation bank located in West Baton Rouge Parish. The site is currently leveed and flooded and used for crawfish production. The goals of the proposed mitigation bank were to restore the natural hydrologic regime within the project site and to rehabilitate and re-establish productive, self-sustaining bottomland hardwood forested wetlands and bald cypress/tupelo gum wetlands. As part of the mitigation bank development process, GSRC coordinated with the USACE, New Orleans District, and was able to have the previously issued Jurisdictional Determination accepted and extended. GSRC was also responsible for quantifying the acreage that could be used to restore, create, or enhance wetland communities; developing the Mitigation Bank Prospectus and Mitigation Work Plan; assessing the current and expected value of the wetlands using the Modified Charleston Method; and coordinating with the New Orleans District, as well as the USFWS, U.S. Environmental Protection Agency, and Louisiana Department of Wildlife and Fisheries to gain acceptance and approval of the Mitigation Banking Instrument and Mitigation Work Plan. The Mitigation Banking Agreement was prepared in accordance with 33 Code of Federal Regulation 332.4 (Compensatory Mitigation for Losses of Aquatic Resources: Final Rule).</p> |                                                    |     |                                                                                    |



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| 02/21 - 04/23   | <p><b>ST. TAMMANY PARISH WETLAND PLANNING MAP AND POLICY   RESILIENT DEVELOPMENT AND MANAGEMENT, LLC   St. Tammany Parish, LA</b></p> <p><b>Project Manager.</b> GSRC was contracted to develop a wetland planning map for St. Tammany Parish. GSRC developed a color-coded wetland planning map using existing data such as National Wetland Inventory, hydric soils, digital elevation data, drainage data, and field verification surveys. The map was color-coded based on the potential to develop in a specific area and the degree of difficulty obtaining a permit. GSRC also participated in the development of a wetland policy manual for St. Tammany Parish. The purpose of the project was to develop policy for development resiliency. Howard supervised and oversaw the development of the color-coded wetland map and wetland policy.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 06/13 - 08/15   | <p><b>INTERSTATE 12 (I-12) TO BUSH MITIGATION PLAN, LA 3241   LADOTD   St. Tammany Parish, Louisiana</b></p> <p><b>Project Manager.</b> GSRC was contracted by LADOTD to prepare a mitigation plan for unavoidable impacts on jurisdictional wetlands associated with the construction of the I-12 to Bush Highway in St. Tammany Parish. The mitigation of unavoidable impacts on jurisdictional wetlands is required by Section 404 of the Clean Water Act (CWA). As part of the contract, GSRC researched the best methods for identifying mitigation measures for projects similar in scale to the I-12 to Bush Highway project. This report provides the methodology used by GSRC to identify the best methods for identifying mitigation measures for projects similar in scale, research findings, and recommended best practices for wetland mitigation. Howard researched current mitigation practices used by other States' Departments of Transportation to streamline the USACE 404 permitting process and mitigation requirements associated with the approval of a Department of the Army individual permit and to reduce costs and liability. Additionally, GSRC identified numerous potential mitigation providers and assisted LADOTD during the selection and negotiation process. Howard was responsible for scheduling, budget, project coordination with LADOTD and private mitigation banks and landowners, preparation of all necessary project documents, and negotiating with the selected mitigation bank provider.</p> |
| 10/95 - 06/96   | <p><b>WETLAND DELINEATION, U.S. 61 FROM BAINS, LOUISIANA TO THE LOUISIANA/MISSISSIPPI STATE LINE   LADOTD   LA and MS</b></p> <p><b>Project Manager.</b> Howard conducted wetland delineations along an approximately 12-mile by 200-foot (290.9 acres) proposed highway expansion corridor from Bains, Louisiana, to the Louisiana/Mississippi State Line. A preliminary investigation using color infrared photography was conducted and potential wetlands were delineated and mapped. Potential wetlands were ground-truthed during a transect survey of the proposed highway expansion corridor. Howard was responsible for field data collection, delineation of the wetland/non-wetland boundary, mapping, and the preparation of wetland finding reports. A formal jurisdiction determination was received from the USACE (New Orleans District) for the surveyed area. A map indicating wetland boundaries was provided to LADOTD for future planning strategies.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 09/18 - 04/23   | <p><b>WETLAND JURISDICTIONAL DETERMINATION AT FOUR STRATEGIC PETROLEUM RESERVE FACILITY   FEDERAL PETROLEUM OPERATIONS, LLC   LA, TX</b></p> <p><b>Project Manager.</b> GSRC was contracted to conduct wetland surveys at four Strategic Petroleum Reserve Facilities (1,861 acres) in Louisiana and Texas as part of Phase I of the contract. Phase II included the delineation of wetlands for crude oil and raw water pipeline rights-of-way (2,823 acres) associated with these facilities. GSRC was also responsible for preparing a wetland delineation report for each facility under each phase and obtaining a Preliminary Jurisdictional Determination from the respective USACE District (New Orleans or Galveston). The project was initiated in 2018, and all facilities were delineated and the PJD requests submitted in 2019. The project was then delayed for approximately 2 years due to the COVID pandemic and damage associated with Hurricane Laura. Howard was responsible for supervising and overseeing all aspects of the project, including budget, schedule, quality control and quality assurance of deliverables. He was also responsible for coordinating and obtaining the PJDs.</p>                                                                                                                                                                                                                                                                                                                              |
| 03/01 - Ongoing | <p><b>WETLAND PERMITS, MULTIPLE SITES IN LOUISIANA   VARIOUS PRIVATE CLIENTS</b></p> <p><b>Project Manager.</b> Howard has prepared and submitted Department of the Army Section 404 and Nationwide permit applications for multiple projects throughout Louisiana. Projects have ranged in size from 0.5 acres to several hundred acres. Projects have included road crossings, residential developments, industrial sites, and private residences. Howard was responsible for determining wetland impacts, preparing Department of the Army permit applications, transmitting preconstruction notifications, developing mitigation measures, preparing need and alternative analyses, and coordinating with the proper USACE District.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 03/01 - Ongoing | <p><b>WETLAND DELINEATIONS, LOUISIANA, MISSISSIPPI, TEXAS, GEORGIA, AND ARKANSAS   VARIOUS PRIVATE CLIENTS</b></p> <p><b>Project Manager.</b> Howard has over 30 years of experience managing wetland delineations for numerous private landowners and land developers. Projects have included residential developments, industrial sites, and private residences and have ranged in size from 0.5 acres to 1,300 acres. Howard was responsible for field data collection, delineation of the wetland/non-wetland boundary, mapping, and the preparation of wetlands finding reports. Formal jurisdictional determinations, based on Howard's data, were received from the appropriate USACE Districts.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Gulf South Research Corporation                                                                     |     |  |
| NAME                                                     | Beau Rapier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                         | 8   |                                                                                    |
| TITLE                                                    | Wetland Biologist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                                  | 2   |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MS   2018   Science in Biology // BA   2016   Forestry Wildlife Management and Habitat Conservation |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 38-Hour USACE Delineation Training Program                                                          |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DISCIPLINE                                                                                          | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Beau will provide <b>WETLANDS, STREAMS &amp; PERMITTING</b> services for this project. Beau has 10 years of experience working in 28 states, predominately focused on mammals of conservation concern, but he has also held positions monitoring birds, vegetation, herpetofauna, and parasite/disease dynamics. Beau has led field crews to conduct point count surveys for Neotropical migratory birds of conservation priority, as well as identifying and buffering active bird nests in ROWs. In addition, he has aided in reporting cases of white-nose syndrome in Indiana bats, northern long-eared bats, and gray bats in Illinois and Tennessee. Beau has managed and performed a range of field-related tasks, wrote NEPA documents, and acquired permitting for various project components.                                                        |                                                                                                     |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                     |     |                                                                                    |
| 10/24 - Ongoing                                          | <b>PLAQUEMINES WETLAND DESKTOP SURVEY   LA</b><br><b>Project Manager.</b> GSRC is under contract by Principal Engineering on behalf of the Coastal Protection Restoration Authority to perform a desktop wetland delineation for eight separate project areas. Beau will collect data from USFWS, USDA, and FEMA, create and digitize polygons to delineate the perceived jurisdictional wetland/upland boundary, submit findings reports and budgets, and coordinate with multiple teams and stakeholders.                                                                                                                                                                                                                                                                                                                                                    |                                                                                                     |     |                                                                                    |
| 10/23 - Ongoing                                          | <b>CENTRAL WETLAND DELINEATION   LA</b><br><b>Project Manager.</b> GSRC is under contract by Forte and Tablada to perform a wetland delineation on an approximately 50-acre parcel of land and 17 separate ditch segments. Beau will conduct the delineations, write the wetland findings reports, and submit findings to the USACE. After receiving the Preliminary Jurisdictional Determination, GSRC will assist the client in determining the next steps to take in the permitting process.                                                                                                                                                                                                                                                                                                                                                                |                                                                                                     |     |                                                                                    |
| 04/20 - 06/20                                            | <b>MORRISON HILL WETLAND DELINEATION   MORRISON ENTERPRISES LLC   LA</b><br><b>Project Manager.</b> GSRC was contracted by Morrison Enterprises, LLC to perform a wetland delineation on an approximately 9-acre parcel of land. Beau conducted the delineation, wrote the wetland findings report, and served as a liaison between the client and the USACE until a Preliminary Jurisdictional Determination was issued.                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                     |     |                                                                                    |
| 09/18 - 09/19                                            | <b>MIGRATORY BIRD AND RARE AND THREATENED SPECIES SURVEYS, MAMMAL SURVEYS, HERPETOFAUNA SURVEYS   MS</b><br><b>Field Crew Lead.</b> GSRC was contracted by NAVFAC SE to survey the Stennis Western Maneuver Area (WMA) for migratory bird species with a special focus on documenting any federally or state threatened or endangered species that may be present. Beau conducted point counts, meandering or opportunistic surveys, and call playback surveys for secretive marsh birds on a quarterly basis to record, to the best extent possible, all bird species on the installation. Mammal surveys consisted of Tomahawk trapping and deploying trail cameras with scent lures. Herpetofauna surveys consisted of deploying cover boards, floating turtle traps, submerged trashcan traps, hoop nets, and glow-stick-baited funnel traps.              |                                                                                                     |     |                                                                                    |
| 06/18 - 09/18                                            | <b>PREPARATION OF WETLAND JURISDICTIONAL DETERMINATIONS FOR FOUR STRATEGIC PETROLEUM RESERVES, DEPARTMENT OF ENERGY, STRATEGIC PETROLEUM RESERVE   FFPO, LLC   TX and LA</b><br><b>Field Biologist.</b> GSRC was contracted by Fluor Federal Petroleum Operations, LLC, to conduct wetland delineation surveys at four separate Strategic Petroleum Reserve (SPR) sites operated by the Department of Energy. These sites have been proposed for maintenance and expansion to existing infrastructure. Beau served as a field biologist during wetland delineations conducted at the Bayou Choctaw SPR in Iberville Parish, Louisiana, and the Bryan Mound SPR in Brazoria County, Texas. In addition to determining the presence of potential wetlands and Waters of the U.S., Beau was responsible for preparing the final summary reports at Bayou Choctaw. |                                                                                                     |     |                                                                                    |
| 06/21 - 10/21                                            | <b>WHARTON WETLAND DELINEATION   LA</b><br><b>Project Manager.</b> GSRC was contracted by a private landowner to perform a wetland delineation on an approximately 17-acre parcel of land. Beau conducted the delineation, wrote the wetland findings report, and submitted the report to the USACE. After receiving the Preliminary Jurisdictional Determination, GSRC aided the client in determining the next steps to take in the permitting process.                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                     |     |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Gulf South Research Corporation                                    |     |  |
| NAME                                                     | Allen Fuller                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                        | 15  |                                                                                    |
| TITLE                                                    | Wetland Biologist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                 | 2   |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | BS   2008   Plant and Soil Systems                                 |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Wetland Training Institute // Wetland Plant Species Identification |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DISCIPLINE                                                         | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Allen will provide <b>WETLANDS, STREAMS &amp; PERMITTING</b> services for this project. Allen has participated in restoration projects in multiple states and for clients including USACE, DoD, and various private companies. Allen has conducted numerous wetland delineations and biological surveys. He has also assisted in wetland mitigation banking projects. Allen currently manages multiple ongoing restoration projects for these clients. He has conducted plant propagation, pesticide applications, and implemented various revegetation methods on many species in a variety of settings and has designed and installed irrigation systems for restoration projects in numerous states.                                                                                                                                                                                                                                                                                   |                                                                    |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                    |     |                                                                                    |
| 01/09 - Ongoing                                          | <b>WETLAND DELINEATIONS FOR PRIVATE CLIENTS   LA Biologist.</b> Allen has assisted in the field surveys, report preparation, and permitting processes for wetland delineations within several parishes in Louisiana. Field surveys, plant identification, and report preparation were required to be submitted to the USACE for verification of wetland boundaries and permitting of dredge and fill operations for property development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                    |     |                                                                                    |
| 02/20 - 02/21                                            | <b>WETLAND DELINEATIONS FOR A PROPOSED WIND FARM IN QUITMAN AND TUNICA COUNTIES   MS Biologist.</b> GSRC was contracted by CSRS to determine the extent of potential jurisdictional Waters of the U.S., including wetlands on approximately 43,000 acres near Tunica, Mississippi. The Area of Interest (AOI) consisted primarily of private agricultural lands interspersed with wooded streams and forested hunting lands. Allen served as a field biologist for the wetland delineations, which were conducted both on foot and with the use of ATV's over the course of several months. Threatened and endangered species surveys were conducted concurrently with the wetland delineation surveys.                                                                                                                                                                                                                                                                                   |                                                                    |     |                                                                                    |
| 09/17 - 10/18                                            | <b>MULTIPLE WETLAND DELINEATIONS OF SEPARATE PROJECT AREAS FOR THE JOINT READINESS TRAINING CENTER AND FORT JOHNSON   Vernon Parish, LA Biologist.</b> GSRC was contracted by the USACE, Fort Worth District, to perform wetland delineations for various construction projects as part of a larger effort to manage newly acquired lands within the jurisdiction of Fort Johnson. These lands contain large expanses of bottomland hardwood that offer potential as future mitigation credit sites. Allen has participated in two wetland delineations for separate construction projects that have or will take place on the newly acquired property. The wetland delineation project areas were 18 acres and 87 acres in size and predominantly were located in areas containing upland loblolly pine plantations, mixed hardwood-loblolly pine forests, and bottomland hardwood forests. Allen conducted the wetland delineation mapping and preparation of the final summary report. |                                                                    |     |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Gulf South Research Corporation                                                                                                        |     |  |
| NAME                                                     | Logan Mccardle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                                                            | 10  |                                                                                     |
| TITLE                                                    | Biologist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                                                                     | 4   |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MS   2013   Biology // BS   2009   Ecology, Environmental Science and Evolutionary Biology                                             |     |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | USFW Sea Turtle, Shore/Seabird and Marine Mammal Observer Course // USACE Regulatory IV, Wetland Identification and Delineation Course |     |                                                                                     |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DISCIPLINE                                                                                                                             | N/A |                                                                                     |
| Contract role(s) / brief description of responsibilities | <p>Logan will provide <b>T&amp;E SPECIES / ECOSYSTEM</b> services for this project. Logan has over 14 years of experience in conducting ecological field studies. He has participated in wildlife surveys and monitoring efforts in southeastern Louisiana; the Lower Rio Grande Valley in Texas; and throughout the northern coast of the Gulf of Mexico. His field experience includes population monitoring and survey work with Federally listed and candidate species including the Pacific fisher (<i>Pekania penanti</i>), giant garter snake (<i>Thamnophis gigas</i>), loggerhead sea turtle (<i>Caretta caretta</i>), Kemp's Ridley sea turtle, piping plover (<i>Charadrius melodus</i>), arroyo toad (<i>Anaxyrus californicus</i>), Yosemite toad (<i>Anaxyrus canorus</i>), Sierra Nevada yellow-legged frog (<i>Rana sierrae</i>), interior least tern (<i>Sternula antillarum</i>), Brand's phacelia (<i>Phacelia stellaris</i>), saltmarsh bird's beak (<i>Cordylanthus maritimus</i> ssp. <i>palsutris</i>), Zapata bladderpod (<i>Physaria thamnophila</i>), and Tamaulipan kidneypetal (<i>Ayenia limitaris</i>). <b>Logan meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 9</b></p> |                                                                                                                                        |     |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                        |     |                                                                                     |
| 09/22 - Ongoing                                          | <p><b>MISSION GORGE RECREATIONAL FACILITY AND NAVY HOUSING AREAS RARE PLANT SURVEYS AND VEGETATION MANAGEMENT   Naval Base San Diego, California</b></p> <p><b>Project Manager/Field Biologist.</b> Logan organized and conducted rare plant surveys on the Mission Gorge Recreational Facility, as well as areas of California Sage Scrub habitat associated four Navy Housing Areas in San Diego, California. Rare plant species included San Diego mesa mint (<i>Pogogyne abramsii</i>), San Diego button celery (<i>Eryngium aristulatum</i> var. <i>parishii</i>), and San Diego barrel cactus (<i>Ferocactus viridescens</i>). Logan is also mapping vegetation communities in all project locations and developing vegetation and invasive plant management plans for the project areas.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                        |     |                                                                                     |
| 10/19 - 12/22                                            | <p><b>PLANNING LEVEL VEGETATION SURVEYS AT PINE BLUFF ARSENAL   ARKANSAS</b></p> <p><b>Field Biologist/Technical Author.</b> Logan organized and conducted planning level vegetation surveys in pine and hardwood forests as well as wetland ecosystems on the Pine Bluff Arsenal installation in Jefferson County, Arkansas. Logan was responsible for compiling and analyzing survey data and authoring the final project report.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                        |     |                                                                                     |
| 02/15 - 02/16                                            | <p><b>BOTTOMLAND HARDWOOD SURVEYS FOR ARMY BASE FORT JOHNSON   Vernon Parish, LA</b></p> <p><b>Field Biologist.</b> Logan participated in characterization and delineation of bottomland hardwood forest communities within tracts of land acquired as training areas by Joint Readiness Training Command and Army Base Fort Johnson in Vernon Parish, Louisiana. These tracts of land were originally part of large silviculture operations in which sections of bottomland hardwood forest were converted to loblolly pine (<i>Pinus taeda</i>) plantation. GSRC conducted surveys to delineate the edges of bottomland hardwood communities along riparian areas and to determine the extent of hydric soils within the areas converted to pine plantation. The information from these surveys will be used to guide bottomland hardwood restoration practices that installation natural resources personnel will implement in accordance with the Army Base Fort Johnson INRMP.</p>                                                                                                                                                                                                                                                               |                                                                                                                                        |     |                                                                                     |
| 01/22 - 01/23                                            | <p><b>RED KNOT AND PIPING PLOVER MONITORING   Grand Isle, LA</b></p> <p><b>Environmental Monitor.</b> GSRC was contracted to perform environmental monitoring, specifically for red knot and piping plover, on the barrier island Grand Isle. Construction crews were reconstructing the dune system on the barrier island, and GSRC was tasked with monitoring the construction crew. Logan spent multiple weeks monitoring the crew and documenting bird species within the vicinity of the project.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                        |     |                                                                                     |



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| 06/19 - 10/21 | <p><b>RTE AND INVASIVE PLANT SURVEYS AT NAVAL CONSTRUCTION BATTALION CENTER WESTERN MANEUVER AREA   Hancock County, MS</b></p> <p><b>Project Manager/Field Biologist.</b> Logan organized and conducted surveys for Federally and state-listed, as well as rarity ranked wildlife, and invasive plants at the NCBC WMA in Hancock County, MS. These surveys involve aquatic and terrestrial sampling techniques for various species of herpetofauna, mammals, birds, and rare and invasive plants. Targeted species include alligator snapping turtle (<i>Macrochelys temminckii</i>), Pearl River map turtle (<i>Graptemys pearlensis</i>), rainbow snake (<i>Farancia erytogramma</i>), Louisiana black bear (<i>Ursus americanus</i>), long-tailed weasel (<i>Mustela frenata</i>), and Louisiana quillwort (<i>Isoetes louisianensis</i>). Logan is responsible for planning and organizing field efforts, compiling and analyzing data, and drafting the project report. This report will be used in support of the installation's INRMP.</p>                                                                           |
| 02/19 - 12/19 | <p><b>RIO GRANDE VALLEY NEW WALL CONSTRUCTION ENVIRONMENTAL PLANNING AND SUPPORT   TX</b></p> <p><b>Field Biologist.</b> GSRC was contracted to prepare an Environmental Stewardship Plan (ESP) in support of 50 miles of new bollard border wall in Starr County and a portion of Hidalgo County, Texas. Logan surveyed the proposed wall alignment for threatened and endangered plants and animals. In addition, Logan made a complete inventory of plants and animals within the survey area, delineated and surveyed for jurisdictional Waters of the U.S., and performed a transaction screen for hazardous waste materials. Logan also aided in report preparation and technical editing.</p>                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 04/18 - 10/18 | <p><b>ENVIRONMENTAL PLANNING AND SUPPORT FOR THE CONSTRUCTION OF A NEW LEVEE WALL IN HIDALGO COUNTY   TX</b></p> <p><b>Field Biologist.</b> GSRC was contracted by CBP to provide the required environmental surveys and reports for the planned construction of approximately 26 miles of bollard fence near the U.S.-Mexico Border in Hidalgo County, Texas. Logan helped conduct pre-construction surveys of the planned project area for sensitive natural resources, potential wetlands, and Waters of the U.S. The survey team performed meandering transects along the 200-foot-wide project corridor and recorded pertinent floral, faunal, and wetland data, including sensitive species and vegetation communities. This data was used to determine if any mitigation or other responsive measures are necessary due to the loss of natural resources from the planned construction. Texas state-listed species observed during the surveys included the Texas horned lizard (<i>Phrynosoma cornutum</i>), Texas tortoise (<i>Gopherus berlandieri</i>), and Texas indigo snake (<i>Drymarchon melanurus</i>).</p> |
| 09/17 - 05/18 | <p><b>RETICULATED FLATWOODS SALAMANDER (AMBYSTOMA BISHOPI) SURVEY AND HABITAT ASSESSMENT AT NAVAL OUTLYING LANDING FIELD (NOLF) HOLLEY SANTA ROSA COUNTY   FL</b></p> <p><b>Project Manager/Field Biologist.</b> Logan organized and conducted surveys for reticulated flatwoods salamanders and suitable breeding habitat at NOLF Holley. Upon completion of the field data collection, Logan will be responsible for compiling and analyzing data and drafting the project report. This report will be used in support of the Naval Air Station Whiting Field Integrated Natural Resources Plan (INRMP).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Gulf South Research Corporation                                |     |  |
| NAME                                                     | Ross Hackbarth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                    | 11  |                                                                                    |
| TITLE                                                    | Wetland Biologist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)             | 1   |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BA   2014   Botany                                             |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Wetland Training Institute - Wetland Delineation Training 2017 |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DISCIPLINE                                                     | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Ross will provide <b>T&amp;E SPECIES / ECOSYSTEM</b> services for this project. Ross is an ecologist specializing in vegetation assessments, wetland delineations, and floral inventories. Ross has 5 years of experience in habitat analyses, ecological restoration, and NEPA documentation for numerous projects throughout the southern U.S. Ross has provided assistance in the development of NEPA documents including EAs and Section 404 nationwide permits. He has performed field surveys for threatened and endangered species and habitat management planning for invasive species, including mapping seeds collection sites for re-plantings. Additionally, Ross has experience in native plant nursery and greenhouse operations, wildlife surveys, wetland delineations, and construction monitoring standards and regulations.                                                                                                                                                    |                                                                |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |     |                                                                                    |
| 09/20 - 09/23                                            | <b>ENVIRONMENTAL ASSESSMENT FOR FACILITY ENHANCEMENTS AND LAND USE MODIFICATION PROJECTS AT COLUMBUS AIR FORCE BASE   MS Biologist.</b> SRC was contracted by USACE, Mobile District, to complete an EA and supporting environmental studies for proposed construction, demolition, and land use modification actions at Columbus Air Force Base in Lowndes County, MS. The proposed projects were the replacement and construction of a physical fitness center, replacement and construction of a water storage tank, and permanent placement of fill material into and onto the water bottom of a man-made lake. Ross served as a technical preparer for sections of the EA and provided quality assurance for supporting documents including a biological report and Environmental Baseline Survey (EBS). Additionally, Ross served as a GIS analyst and assisted with map creation for the various documents required under the contract.                                                    |                                                                |     |                                                                                    |
| 09/19 - 10/21                                            | <b>RARE, THREATENED, AND ENDANGERED SPECIES, BIRD, AND INVASIVE PLANT INVENTORY AT NAVAL CONSTRUCTION BATTALION CENTER WESTERN MANEUVER AREA   Hancock County, MS</b><br><b>Field Biologist.</b> GSRC was contracted by Naval Facilities Engineering Systems Command Southeast to conduct an inventory of rare, threatened, and endangered species, birds, and invasive plants on approximately 1,477 acres of land newly acquired by the U.S. Navy at the Naval Construction Battalion Western Maneuver Area in Hancock County. Ross participated in fall field surveys, which included live trapping (e.g., hoop nets, cover boards, trash can traps), bird point count stations, and pedestrian transects. One species documented in 2019 during point-count surveys, the little blue heron ( <i>Egretta caerulea</i> ), is considered a Tier II species of concern in the state of Mississippi. Survey activities will continue through 2021.                                                 |                                                                |     |                                                                                    |
| 02/20 - 02/21                                            | <b>WETLAND DELINEATIONS FOR A PROPOSED WIND FARM IN QUITMAN AND TUNICA COUNTIES   MS</b><br><b>Field Biologist.</b> GSRC was contracted by CSRS to determine the extent of potential jurisdictional Waters of the U.S., including wetlands on approximately 43,000 acres near Tunica, MS. The Area of Interest (AOI) consisted of primarily private agricultural lands interspersed with wooded streams and forested hunting lands. Ross served as a field biologist for the wetland delineations, which were conducted both on foot and with the use of ATVs over the course of several months. Threatened and endangered species surveys were conducted concurrently with the wetland delineation surveys.                                                                                                                                                                                                                                                                                      |                                                                |     |                                                                                    |
| 09/17 - 10/18                                            | <b>WETLAND DELINEATIONS, STREAM BIOMONITORING SUPPORT, AND VITAL RATE SUPPORT FOR FORT JOHNSON   Vernon Parish, LA</b><br><b>Field Biologist.</b> GSRC was contracted by the USACE, Fort Worth District, to provide various environmental services at Fort Polk, including stream biomonitoring. Stream fish assemblages and macro-invertebrate surveys are used at Fort Polk to monitor water quality and assess potential effects of training activities on aquatic ecosystem health. GSRC helped conduct studies to quantify the relative health of a limited number of streams on Fort Polk in primary training lands. Studies can be used to address questions regarding potential training effects that may arise during NEPA analyses. Ross took part in the stream biomonitoring of six Fort Polk streams, which included: electroshocking to collect fish samples; scoop net sampling for macroinvertebrates; and a qualitative analysis of stream appearance, structure, and condition. |                                                                |     |                                                                                    |
| 02/19 - 10/19                                            | <b>WETLAND DELINEATION FOR THE EAST JACKSON COUNTY WASTEWATER TREATMENT PLANT   Jackson County, MS</b><br><b>Field Biologist.</b> GSRC was contracted to perform a wetland delineation on a proposed pipeline ROW and adjoining parcel of land encompassing a total area of 203 acres. Ross served as a biologist during all field survey activities. Project area was found to contain 166 acres of potentially jurisdictional wetlands and 16,534 linear feet (3.13 miles) of potential jurisdictional Waters of the U.S.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                |     |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Gulf South Research Corporation                                |     |  |
| NAME                                                     | John Lindemuth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                    | 31  |                                                                                     |
| TITLE                                                    | Principal Investigator / Archaeologist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)             | 2   |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MA   1994   Anthropology // BA   1990   Anthropology/Sociology |     |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N/A                                                            |     |                                                                                     |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DISCIPLINE                                                     | N/A |                                                                                     |
| Contract role(s) / brief description of responsibilities | <p>John will provide <b>SECTION 106 COMPLIANCE</b> services for this project. John has 31 years of experience in cultural resource management. He has participated in and supervised intensive cultural resources surveys, National Register of Historic Places (NRHP) Eligibility archaeological site testing, and data recovery excavations in nine states. He has experience in both prehistoric and historic site evaluation and excavation. He has analyzed both historic and prehistoric cultural remains for several different projects. John's experience working with governmental agencies at the local, state, and federal levels has given him a broad knowledge of compliance with Section 106 of the National Historic Preservation Act (NHPA). He has supervised and participated in chain of title search for historic properties, cultural resources surveys (Phase I), archaeological site testing (Phase II), and data recovery (Phase III). John has also prepared technical reports, which outlined the results of all phases of archaeological investigations as well as agreement documents, such as Memorandums of Agreement (MOAs) and Programmatic Agreements (PAs), and preparation of Section 106 Adverse Effects documentation. He is also familiar with the preparation of artifacts and associated records for permanent curation in accordance with curation guidelines, including those published by the Louisiana Division of Archaeology. He is very familiar with conducting Section 4(f) evaluations for LADOTD and Federal Highway Administration (FHWA) when highway improvements have the potential to affect public parks and recreational areas, waterfowl and wildlife refuges, and historic sites. <b>John meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 10</b></p> |                                                                |     |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |     |                                                                                     |
| 02/24 - Ongoing                                          | <p><b>PHASE I CULTURAL RESOURCES SURVEY OF 1,716 ACRES FOR THREE PROPOSED BRIDGE CROSSINGS AND APPROACHES, MISSISSIPPI RIVER BRIDGE SOUTH: LA1 TO LA30 CONNECTOR   LADOTD &amp; FHWA   Iberville Parish, LA</b></p> <p><b>Principal Investigator and Field Director</b> for the survey of three proposed 600-foot-wide corridors for bridge crossing and their associated approaches totaling 1,716 acres. John served as the primary author of the technical report that outlined the results of the surveys, including the results of a separately conducted submerged resources survey. The report was submitted to Atlas and LADOTD for their review and comments. A revised report based on those reviews has been submitted to LADOTD for distribution to FHWA and the Louisiana State Historic Preservation Officer.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                |     |                                                                                     |
| 02/24 - 09/24                                            | <p><b>ADDENDUM 1: NEW ADDITIONS TO THE PHASE I CULTURAL RESOURCES SURVEY OF 31 ACRES FOR A PROPOSED GREEN FUELS BIO-REFINERY IN CALDWELL PARISH, LA (REPORT NO. 22-7138-1)</b></p> <p><b>Principal Investigator and Field Director</b> for a linear and block survey of two pipeline corridors and associated well pads. In addition, a submerged archaeological resources survey was also conducted for the intake and outfall areas associated with the proposed Green Fuels Bio-Refinery. The terrestrial survey included two linear pipelines measuring 40 and 100 feet in width and two injection well pad sites that were 4 acres each in size. The project included a Phase I archaeological survey, aboveground resources survey, and submerged resources survey. John served as primary author of the cultural resources report which summarized the results of all the investigations.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |     |                                                                                     |
| 10/20 - 05/21                                            | <p><b>PHASE I ARCHAEOLOGICAL INVESTIGATION OF 54 ACRES FOR THE LOUISIANA CORRECTIONAL INSTITUTE FOR WOMEN (LCIW) IN IBERVILLE PARISH   St. Gabriel, LA</b></p> <p><b>Principal Investigator</b> for the intensive archaeological survey of a 54-acre parcel of land for the proposed Louisiana Correctional Institute for Women. The investigation included a background and literature review, an intensive archaeological pedestrian survey supplemented with the excavation of shovel test pits, and the aboveground resources windshield survey of the visual Area of Potential Effect. John oversaw and participated in the archaeological fieldwork and provided review of the cultural resources technical report.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |     |                                                                                     |



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| 04/14 - 10/17 | <p><b>ARCHAEOLOGICAL PHASE II TESTING AND PHASE III MITIGATION AND DATA RECOVERY AT TWO CULTURAL RESOURCES SITES, THE MCNUTT PLANTATION (16RA692) AND THE WEIL PROPERTY (16RA703), FOR ENGLAND ECONOMIC AND INDUSTRIAL DEVELOPMENT DISTRICT   Alexandria, LA</b></p> <p><b>Principal Investigator</b> for the combined Phase II NRHP archaeological site testing and Phase III data recovery excavations for two historic sites located in Rapides Parish, LA. He aided in the development of the Research Design and Work Plan, culling agreement, the management summaries for both the Phase II and Phase III work, the Memorandum of Agreement to address the adverse impacts on the sites, and the combined Phase II and III technical report. The project recovered over 3,000 artifacts dating from the middle nineteenth to twentieth century found in association with multiple features including foundation piers and a below-ground cistern. The production of the management summaries allowed for the expedited review of the project so that it could proceed while the final cultural resources report was completed.</p> |
| 07/07 - 01/16 | <p><b>PHASE I SURVEY OF THE PROPOSED I-69 CORRIDOR   Caddo and Bossier Parishes, LA</b></p> <p><b>Principal Investigator.</b> John served as principal investigator and supervised the field excavations during the Phase I cultural resources survey. The project consisted of multiple phases of data collection that were analyzed using GIS and used for the planning of the project corridor. The sources of data included known archaeological sites, known historic standing structures, geomorphology of the area, high- and low-probability zones developed by the principal investigator, the geomorphologist, and field director, and the results of a standing structure survey of a preferred corridor. Phase I intensive cultural resources surveys were conducted on the alignment selected using these criteria. John was the primary author of the cultural resources survey report, which outlined the results of the surveys.</p>                                                                                                                                                                                      |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                             |     |                                                                                     |
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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Gulf South Research Corporation                             |     |   |
| NAME                                                     | Anna Marcum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                 | 1   |                                                                                     |
| TITLE                                                    | Architectural Historian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)          | 7   |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MS   2018   Preservation Studies // BA   2013   Art History |     |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                                                         |     |                                                                                     |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DISCIPLINE                                                  | N/A |                                                                                     |
| Contract role(s) / brief description of responsibilities | Anna will provide <b>SECTION 106 COMPLIANCE</b> services for this project. Anna has over 7 years of experience in historic preservation and architectural history. She has conducted fieldwork and research in multiple states including Louisiana. She is experienced in Section 106 compliance evaluations and preservation planning. <b>Anna meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 11</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |     |  |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                             |     |                                                                                     |
| 01/18 - Ongoing                                          | <b>CULTURAL RESOURCE ASSESSMENTS AND PRESERVATION CONSULTATION SERVICES, MULTIPLE PROJECTS</b><br><b>Principal Investigator.</b> Anna has served as Principal Investigator for numerous cultural resource assessment projects including Section 106 compliance evaluations for federal undertakings, National Register eligibility evaluations, and historic structure reports. Notable projects include work with Workforce Group providing architectural historian expertise for government contract compliance, collaboration with McNair Historic Preservation conducting architectural research and updating National Register nominations, and consultation services for Hammond Historic District Commission developing preservation education materials and regulatory guidance. Anna has produced technical reports, preservation briefs, and educational materials while maintaining compliance with federal and state preservation standards.                                                                                                                                 |                                                             |     |                                                                                     |
| 02/24 - 02/25                                            | <b>COUNTYWIDE HISTORIC PRESERVATION PROGRAM MANAGEMENT AND COMMUNITY ENGAGEMENT INITIATIVE. HERITAGE FOUNDATION OF WILLIAMSON COUNTY   Williamson County, TN</b><br><b>Senior Director of Preservation.</b> Anna served as Senior Director leading comprehensive historic preservation initiatives for Williamson County, Tennessee. The program included development and execution of the Preserve Williamson Campaign featuring community town halls, media outreach, and educational programming reaching over 5,000 county residents. Anna established the county's first historic preservation easement program, securing legal protection for key landmarks and historic properties. She managed consultant teams producing countywide architectural surveys documenting over 200 historic structures, curatorial programs, and preservation planning reports. Anna coordinated with the National Trust for Historic Preservation, Tennessee State Historic Preservation Office, and local regulatory agencies to align preservation initiatives with state and federal standards. |                                                             |     |                                                                                     |
| 04/23 - 02/24                                            | <b>UPPER EAST SIDE HISTORIC DISTRICTS ADVOCACY AND PRESERVATION PROGRAM, FRIENDS OF THE UPPER EAST SIDE HISTORIC DISTRICTS   New York City, NY</b><br><b>Executive Director.</b> Anna served as Executive Director managing preservation advocacy for Manhattan's Upper East Side historic districts encompassing over 1,000 contributing structures. The program included review and advocacy for landmark and land use policies, coordination with New York City Landmarks Preservation Commission, and community engagement initiatives reaching local stakeholders and property owners. Anna directed fundraising campaigns including grant writing, membership development, and annual benefit events generating more than \$200,000+ in preservation funding. She coordinated educational programming including walking tours documenting architectural significance, research symposia, and preservation award ceremonies while managing organizational operations and staff coordination.                                                                                        |                                                             |     |                                                                                     |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | GIS Engineering, L.L.C.                            |     |  |
| NAME                                                     | James "Jimmy" Chustz, Jr., PLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER        | 4   |                                                                                    |
| TITLE                                                    | Senior Surveyor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S) | 47  |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Surveying Certificate                              |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PLS No. 4657   LA   03/31/2028                     |     |                                                                                    |
| YEAR REGISTERED                                          | 1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DISCIPLINE                                         | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Jimmy will serve as <b>SURVEY QA/QC</b> for this project. Jimmy is a Registered Professional Land Surveyor in the states of Louisiana and Mississippi. He has been licensed since 1992. Jimmy has over 50 years of surveying and mapping experience working on USACE, state, and municipal projects. He is currently a board member of the Louisiana Professional Engineering and Land Surveying serving as the Survey Committee Chairman and is also on the Nicholls State University Geomatics Advisory Board. He is active on the NCEES EPS Committee which is involved in the national exam for professional surveyors. He is an expert in GPS Control Surveys, Topographic Surveys, Survey Engineering, Bathymetric and Hydrographic Surveys, Geophysical Surveys, Property Surveys and professional mapping. |                                                    |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |     |                                                                                    |
| 05/23 - 02/25                                            | <b>H.015569.5: LA 44: ROUNABOUTS @ I-10, LADOTD   Ascension Parish, LA</b><br><b>Project Principal/Surveyor.</b> Responsible for overall management of task order consisting of topographic surveys utilizing mobile LiDAR, uncrewed aerial LiDAR, conventional, RTK, and GPS/GNSS survey methods to meet LADOTD specifications. Deliverables included a Drainage Map and Bentley InRoads DGN, DTM, and ALG files.                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |     |                                                                                    |
| 02/24 - 07/24                                            | <b>H.015119.5: US 71: UPRR OVERPASS CLR ADJUSTMENT, LADOTD   Rapides Parish, LA</b><br><b>Principal/Surveyor.</b> Responsible for the overall management of this task order consisting of topographic surveys utilizing mobile and stationary LiDAR, conventional, RTK, and GPS/GNSS survey methods to meet LADOTD specifications. Deliverables included a Drainage Map and Bentley InRoads DGN, DTM, and ALG files.                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |     |                                                                                    |
| 05/23 - 12/23                                            | <b>H.015568.5: LA 44: PELICAN POINT ROUNABOUT &amp; WIDEN, LADOTD   Ascension Parish, LA</b><br><b>Principal/Surveyor.</b> Responsible for overall management of task order consisting of topographic surveys utilizing mobile LiDAR, uncrewed aerial LiDAR, conventional, RTK, and GPS/GNSS survey methods to meet LADOTD specifications. Deliverables included a Drainage Map and Bentley InRoads DGN, DTM, and ALG files.                                                                                                                                                                                                                                                                                                                                                                                       |                                                    |     |                                                                                    |
| 03/22 - 08/22                                            | <b>H.014728.5: LA 20: LA 304 - LA 307, LADOTD   Lafourche Parish, LA</b><br><b>Principal/Surveyor.</b> Responsible for overall management of task order consisting of topographic and uncrewed single beam hydrographic surveys utilizing uncrewed aerial LiDAR and photogrammetry, conventional, RTK, and GPS/GNSS survey methods to meet LADOTD specifications. Deliverables included a Drainage Map and Bentley InRoads DGN, DTM, and ALG files.                                                                                                                                                                                                                                                                                                                                                                |                                                    |     |                                                                                    |
| 12/24 - 01/25                                            | <b>H.016313.5: LA 1206: CREEK BRIDGE, LADOTD   Rapides Parish, LA</b><br><b>Principal/Surveyor.</b> Responsible for overall management of this task order consisting of topographic surveys utilizing conventional, RTK, and GPS/GNSS survey methods to meet LADOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |     |                                                                                    |
| 12/24 - 03/25                                            | <b>H.016315.5: LA 463: DRAINAGE BRIDGE, LADOTD   Vernon Parish, LA</b><br><b>Principal/Surveyor.</b> Responsible for the overall management of this task order consisting of topographic surveys utilizing conventional, RTK, and GPS/GNSS survey methods to meet LADOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |     |                                                                                    |
| 12/24 - 02/25                                            | <b>H.016320.5: LA 3187: CREEK BRIDGE, LADOTD   Evangeline Parish, LA</b><br><b>Principal/Surveyor.</b> Responsible for the overall management of this task order consisting of topographic surveys utilizing conventional, RTK, and GPS/GNSS survey methods to meet LADOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                    |     |                                                                                    |
| 12/24 - 03/25                                            | <b>H.016321.5: LA 970: CREEK BRIDGE, LADOTD   Pointe Coupee Parish, LA</b><br><b>Principal/Surveyor.</b> Responsible for the overall management of this task order consisting of topographic surveys utilizing conventional, RTK, and GPS/GNSS survey methods to meet LADOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |     |                                                                                    |
| 07/21 - 10/21                                            | <b>H.014633.5: LA 29 BAYOU COCODRIE BRIDGE SCOUR REPAIR, LADOTD   Ville Platte, LA</b><br><b>Principal/Surveyor.</b> Responsible for the overall management of this task order consisting of topographic and hydrographic surveys utilizing conventional, RTK, and GPS/GNSS survey methods to meet LADOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |     |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GIS Engineering, LLC                                            |                   |  |
| NAME                                                     | Jacob Loeske, PE, LSI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                     | 6                 |                                                                                    |
| TITLE                                                    | Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)              | 18                |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BS   2002   Civil Engineering                                   |                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PE No. 33285   LA   09/30/2027 // LSI No. 548   LA   09/30/2027 |                   |                                                                                    |
| YEAR REGISTERED                                          | 2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DISCIPLINE                                                      | Civil Engineering |                                                                                    |
| Contract role(s) / brief description of responsibilities | <p>Jacob will provide <b>PEL-NEPA-TRANSITION GAP ANALYSIS/RISK MGMT.</b> services for this project. Jacob has managed several roadway design projects that required widening and realignments for LADOTD and numerous municipalities. His leadership, strong project management skills, ability to meet aggressive letting dates, and understanding of project delivery for LADOTD roadway design/NEPA projects assures a quality product in accordance to the project schedule. His professional experience also encompasses general civil and municipal engineering projects including transportation planning, roadway, bridge, intersection, and interchange design, drainage design, site design, lighting systems design. He is experienced in managing and coordinating survey crews for various highway, drainage, and flood risk reduction projects. Jacob has more than 20 years of roadway design/NEPA experience and conducting public meetings. He has presented the findings of the Florida Avenue Stage 0 Feasibility Study and Environmental Inventory project at the 2013 Louisiana Transportation Conference. He was the Project Manager for the St. Bernard Corridor Stage 0 Feasibility Study.</p> |                                                                 |                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 |                   |                                                                                    |
| 10/23 - 04/25                                            | <p><b>H.015428.0: LOWER ST. BERNARD ROADWAY NETWORK &amp; RESILIENCE STUDY (STAGE 0 FEASIBILITY STUDY), NORPC   St. Bernard Parish, LA</b><br/> <b>Project Manager</b> responsible for the successful completion of the Stage 0 Feasibility Study. Managed agency, Parish, and Port coordination, presented at agency and school board meetings, oversaw the execution of several sub-consultants for traffic, toll, geometric improvements, rail coordination, elevated highway impacts through wetlands, and public engagement. Assisted with Planning and Environmental Linkage (PEL) process and drafting and one-voicing of the Feasibility Report.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                 |                   |                                                                                    |
| 07/20 - Ongoing                                          | <p><b>H.013284.1: MRB SOUTH GBR: LA1 TO LA30 CONNECTOR, LADOTD   Iberville/East Baton Rouge Parish, LA</b><br/> <b>Project Manager</b> responsible for determining impacts and "show-stoppers" within the Mississippi River for proposed bridge crossing locations. Collaborated and coordinated with the USACE, USCG, and NOBRA Pilots to successfully complete a Navigation Study that determined areas designated as No Bridge Pier Zones and areas designated as No Bridge Zones based on regulatory restrictions. Assisted with shapefiles and ArcGIS mapping for public engagement.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 |                   |                                                                                    |
| 03/20 - 10/24                                            | <p><b>HOLLYWOOD ROAD BRIDGE AT LA 182, TERREBONNE PARISH CONSOLIDATED GOVERNMENT (TPCG)   Terrebonne Parish, LA</b><br/> <b>Transportation Lead</b> responsible for providing oversight for all engineering and related services required to design a new bridge over Bayou Black providing a connection via the Hollywood Road Extension. Assisted with design, QA of plan and profile sheets, typical sections, summary of quantities, construction sequencing, and served as the Engineer of Record for this project. Assisted Parish with grant management and construction administration throughout the duration of construction.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                   |                                                                                    |
| 09/16 - 03/20                                            | <p><b>H.011137.5: I-12 (LA 21 TO US 190), LADOTD   St. Tammany Parish, LA</b><br/> <b>Project Manager/Engineer of Record.</b> Jacob was responsible for providing all necessary engineering and related services required to widen and rehabilitate I-12 to the median side from a four-lane freeway to a six-lane freeway section in both the East and West bound directions, including auxiliary lanes connecting Pinnacle Parkway across the Tchefuncte River to US 190. He served as the Engineer of Record for this project.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                 |                   |                                                                                    |
| 03/16 - 02/19                                            | <p><b>H.011670.1 &amp; H.011670.2: I-10/LOYOLA INTERCHANGE IMPROVEMENTS FONSI   LADOTD   Jefferson Parish, LA</b><br/> <b>Project Manager.</b> With the proposed reconfiguration of the New Orleans International Airport (MSY), the Loyola Drive/Aberdeen Street corridor was proposed for improvements in order to serve as the primary access point from I-10 to the proposed north terminal of the airport. Project included: Phase 1 - Interchange Modification Report (IMR) and Phase 2 - Environmental Assessment. Jacob was responsible for performing the Line and Grade Study on the DDI at-grade improvement with two directional flyovers connecting to I-10. He also participated in the public meetings and "one-voiced" the EA Document.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                   |                                                                                    |
| 07/15 - 02/17                                            | <p><b>FRANCIS ROAD EXTENSION, ST. TAMMANY PARISH GOVERNMENT   Covington, LA</b><br/> <b>Project Manager/Engineer of Record.</b> Performed conceptual design including alternative alignments to minimize wetland impacts, completed preliminary and final design plans and specifications, bidding phase, and construction administration for a new two-lane undivided minor connector inclusive of a shared-use path and combination open and subsurface drainage.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 |                   |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | The Lakvold Group LLC |                                                                          |  |    |
| NAME                                                     | Angela Lemoine-Lakvold, MAI, SRA, R/W-AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                              |                                                                                    | 26 |
| TITLE                                                    | Certified General Real Estate Appraiser                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                       |                                                                                    | 14 |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       | MBA   1998 // BS   1985                                                  |                                                                                    |    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       | Louisiana State Certified Real Estate Appraiser #G0575   LA   12/31/2027 |                                                                                    |    |
| YEAR REGISTERED                                          | 1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DISCIPLINE            | General Real Estate Appraiser                                            |                                                                                    |    |
| Contract role(s) / brief description of responsibilities | Angie will provide <b>ROW - CSRP &amp; ACQUISITION PREP</b> for this project. Angie has completed the following appraisal courses and seminars: Course 101- Introduction to Appraising Real Property, Society of Real Estate Appraisers; Course 102- Applied Residential Property Valuation, Society of Real Estate Appraisers; Course 201- Principles of Income Property Appraising, Society of Real Estate Appraisers; Course 510 - Advanced Income Capitalization, Appraisal Institute; Principles of Real Estate, Louisiana State University; Louisiana Land Titles, International Right of Way Association; Appraisals Under Eminent Domain, Federal Highway Administration; Litigation Valuation Seminar, American Institute of Real Estate Appraisers; Cash Equivalency Seminar, American Institute of Real Estate Appraisers; Standards of Professional Practice, Part A and B, Appraisal Institute; Demonstration Report for SRA designation, Society of Real Estate Appraisers; Demonstration Report for MAI designation, Appraisal Institute; Comprehensive Appraisal Workshop, Ted Whitmer, MAI; Comprehensive Exam for MAI designation, Appraisal Institute Introduction of the URAR; Appraisal Reporting of Complex Residential Properties Seminar, Appraisal Institute; Experience Review Training Seminar, Appraisal Institute; Attacking and Defending an Appraisal in Litigation, Appraisal Institute; Partial Interest Valuation, Appraisal Institute; Course 102 - Elevating Your Ethical Awareness, International Right-of-Way Association (2022); Course 400- USPAP, Standards and Ethics for Professionals, Appraisal Institute (2003, 2019); Course 420- Business Practices and Ethics, Appraisal Institute; Case Studies in Commercial Highest and Best Use, Appraisal Institute; The Appraisal of Partial Acquisitions, International Right of Way Association; Uniform Appraisal Standards for Federal Land Acquisitions, Appraisal Institute (2010, 2017, 2021); Uniform Standards of Professional Appraisal Practice – 2010, 2013, 2015, 2017, 2018, 2021 and 2024 Updates; Appraisal Procedures, Appraisal Institute, 2013; Fundamentals of Appraising Affordable Housing, Appraisal Institute (2024). <b>Angie meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 12</b> |                       |                                                                          |                                                                                    |    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                                                                          |                                                                                    |    |
| 01/20 - Ongoing                                          | I-10 CALCASIEU RIVER BRIDGE PUBLIC PRIVATE PARTNERSHIP (P3) PROJECT   SPN H.003931   Calcasieu Parish, LA<br>Appraiser. Angie completed conceptual Stage Relocation Plan for the project as part of the Environmental Assessment. Currently working on the appraisals for the acquisition of the required right-of-way for this design-build project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |                                                                          |                                                                                    |    |
| 11/22 - Ongoing                                          | I-10: LA 415 TO ESSEN ON I-10 AND I-12; PHASE I: WEST WASHINGTON STREET TO ESSEN LANE   SPN H.004100   East Baton Rouge Parish, LA<br>Appraiser. Angie completed appraisals for the design-build for the expansion of Interstate 10 within the City of Baton Rouge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                                          |                                                                                    |    |
| 03/24 – 01/25                                            | NEW ORLEANS GATEWAY PROGRAM, JEFFERSON RIAL CROSSING RELOCATION   STATE PROJECT NO. H.005168   Jefferson Parish, LA<br>Appraiser. Angie completed conceptual Stage Relocation Plan for the project. Formerly Legacy State Project No. 700-92-0021, F.A.P. No. DE-9208 (500), New Orleans Gateway Program, Jefferson Highway Rail Crossing Relocation, Jefferson Parish, Louisiana.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |                                                                          |                                                                                    |    |
| 03/25 – 07/25                                            | GURNEY ROAD BRIDGES OVER DRAINAGE CANAL   SPN H.014318   East Baton Rouge Parish, LA<br>Appraiser. Angie completed appraisals for the replacement of two existing bridges.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                                                                          |                                                                                    |    |
| 05/24 – 05/25                                            | JIMMIE DAVIS BRIDGE (LA 511) (HBI)   SPN H.001779   Caddo and Bossier Parishes, LA<br>Appraiser. Angie completed appraisals for the replacement of the Jimmie Davis Bridge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                                                                          |                                                                                    |    |
| 03/24 – 10/24                                            | LA 3125 @ LA 3274 ROUNDABOUT   SPN H.014416   St. James Parish, LA<br>Appraiser. Angie completed appraisal for completion of a roundabout.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                                                                          |                                                                                    |    |
| 06/22 – 10/23                                            | JONES CREEK ROAD EXTENSION   CPP 12-CS-HC-0060   East Baton Rouge Parish, LA<br>Appraiser. Angie completed appraisals for completion of a new alignment roadway from Tiger Bend Road to Airline Highway.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                          |                                                                                    |    |



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| 07/21 – 10/21 | <b>PLC PROJECT NO. 13001, PORT OF LAKE CHARLES RAIL RELOCATION AT WEST SALLIER STREET IN CONJUNCTION WITH STATE PROJECT NO. 005967   Calcasieu Parish, LA</b><br><b>Appraiser.</b> Angie completed appraisal reviews for the above referenced property.                                |
| 09/20 – 12/21 | <b>LA 23: BELLE CHASSE BRIDGE &amp; TUNNEL (HBI)   SPN H.004791   Jefferson Parish, LA</b><br><b>Appraiser.</b> Angie completed appraisal for the design-build bridge to replace the existing bridge and tunnel.                                                                       |
| 09/14 – 01/15 | <b>STATE PROJECT NO. H.002344, CPP NO. 12-CS-HC-0015   East Baton Rouge Parish, LA</b><br><b>Appraiser.</b> Prepared the CSRP for the Perkins Road- Siegen Lane to Highland, Road, East Baton Rouge Parish, Louisiana.                                                                 |
| 06/15 – 09/15 | <b>STATE PROJECT NO. H.004932 (DESIGN-BUILD)   St. Mary Parish, LA</b><br><b>Appraiser.</b> Prepared the CSRP for the US 90 (Future I-49) La 318 Interchange, St. Mary Parish, Louisiana.                                                                                              |
| 12/16 – 02/17 | <b>STATE PROJECT NO. H.007970, CPP NO. 12-CS-HC-0043   East Baton Rouge Parish, LA</b><br><b>Appraiser.</b> Prepared the CSRP for the Old Hammond Highway (LA 426) Segment 1, East Baton Rouge Parish, Louisiana.                                                                      |
| 05/18 – 08/18 | <b>STATE PROJECT NO. H.005734, F.A.P. NO. H005734   Livingston Parish, LA</b><br><b>Appraiser.</b> Prepared the CSRP for the LA 447 Corridor Study, Route LA 447, Livingston Parish, Louisiana.                                                                                        |
| 06/18 – 12/18 | <b>STATE PROJECT NO. H.001271   NATCHITOCHES Parish, LA</b><br><b>Appraiser.</b> Prepared the CSRP for the Cane River Bridge Church Street, Route LA 1-X, Natchitoches Parish, Louisiana .                                                                                             |
| 06/16 – 10/16 | <b>STATE PROJECT NO. H0012308   Livingston Parish, LA</b><br><b>Appraiser.</b> Prepared the CSRP for the Cook Road Imp: LA 16 to Juban Crossing, Livingston Parish, Louisiana.                                                                                                         |
| 07/19 – 09/19 | <b>STATE PROJECT NO. H.000284 AND H.000289, F.A.P. NO. H000284 AND H000286   St. Tammany Parish, LA &amp; Hancock County, MS</b><br><b>Appraiser.</b> Prepared the CSRP for the US 90 Pearl River Bridges, Route US 90, St. Tammany Parish, Louisiana and Hancock County, Mississippi. |
| 05/19 – 08/19 | <b>STATE PROJECT NO. H.009932, F.A.P. NO. H009932   Ouachita Parish, LA</b><br><b>Appraiser.</b> Prepared the CSRP for the US 80 Widening: Vancil Road to Well Road, Ouachita Parish, Louisiana.                                                                                       |
| 01/18 – 08/19 | <b>STATE PROJECT NO. H.011670 (DESIGN-BUILD), F.A.P. NO. H011670   Jefferspn Parish, LA</b><br><b>Appraiser.</b> Prepared the CSRP for the Interstate 10/Loyola Interchange Improvements, Jefferson Parish, Louisiana.                                                                 |
| 12/24 – 01/25 | <b>STATE PROJECT NO. H.003931, F.A.P. NO. 010121, I10 – CALCASIEU RIVER BRIDGE   Calcasieu Parish, LA</b><br><b>Appraiser.</b>                                                                                                                                                         |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Desire Line LLC                                                  |                             |  |
| NAME                                                     | Alexandra Carter, AICP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                      | 4                           |                                                                                     |
| TITLE                                                    | Principal Planner / Outreach Specialist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)               | 12                          |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MS   2011   Urban and Regional Planning // BA   2009   Fine Arts |                             |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | AICP Certification No. 29201   National   12/31/2027             |                             |                                                                                     |
| YEAR REGISTERED                                          | 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DISCIPLINE                                                       | Urban and Regional Planning |                                                                                     |
| Contract role(s) / brief description of responsibilities | Alexandra is a Principal Planner/Outreach Specialist who will develop and implement a preliminary public involvement plan; update the list of stakeholders and public involvement plan throughout the project as needed. Alexandra will provide <b>STAKEHOLDER OUTREACH/AGENCY OUTREACH/INVOLVEMENT SERVICES</b> for this project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                             |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                  |                             |                                                                                     |
| 05/24 - Ongoing                                          | <b>LWI REGION 6 WATERSHED PLAN   Various Locations, LA</b><br><b>Principal Planner/Outreach Specialist.</b> Leads development of Region 6's Watershed Plan, which covers 16 parishes in Louisiana, including projects reviewed and modeled with LADOTD LWI models, development of policy and planning recommendations, and stakeholder and public engagement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                  |                             |                                                                                     |
| 01/25 - 01/26                                            | <b>COMPREHENSIVE TRANSIENT LODGING STUDY   New Orleans, LA</b><br><b>Principal Planner/Outreach Specialist.</b> Desire Line completed a Transient Lodging Study for the City of New Orleans, Louisiana. As Principal, Alexandra oversaw outreach and engagement, analysis, and final recommendations. Study recommendations were adopted by the City Planning Commission in January 2026.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                  |                             |                                                                                     |
| 05/24 - 12/25                                            | <b>COMPREHENSIVE PLAN AND CAPITAL IMPROVEMENT PLAN   Mandeville, LA</b><br><b>Principal Planner/Outreach Specialist.</b> Desire Line completed the City of Mandeville, Louisiana's Comprehensive Plan; adopted in December 2025. As Principal, Alexandra led all aspects of the Plan development, outreach and engagement, and deliverable finalization.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                  |                             |                                                                                     |
| 10/24 - 10/25                                            | <b>TARGETED MARKET STUDY - ALLIANCE TO ST. JUDE   Plaquemines Parish, LA</b><br><b>Principal Planner/Outreach Specialist.</b> In partnership with all South Consulting Engineers, Plaquemines Parish Economic Development, LED, and GNO, Inc.; Desire Line completed a Target Market Study for Plaquemines Parish, Louisiana. Alexandra led Study development, which focused on future development opportunities in an area on the West Bank. Work included but was not limited to targeted analysis, outreach and engagement, and recommendations for undeveloped areas and areas in transition.                                                                                                                                                                                                                                                  |                                                                  |                             |                                                                                     |
| 10/23 - 03/25                                            | <b>LOWER ST. BERNARD/LOUISIANA INTERNATIONAL TERMINAL ROADWAY NETWORK AND STAGE "0" FEASIBILITY STUDY   St. Bernard Parish, LA</b><br><b>Principal Planner/Outreach Specialist.</b> In partnership with the NORPC, the Port of New Orleans, and GIS Engineering, Alexandra led community engagement and outreach efforts for St. Bernard's Stage "0" Resilience Study, facilitating public and stakeholder engagement, and including development of an Outreach and Engagement Plan, website, community survey, mapping activities, tabling at local events, stakeholder interviews, and the facilitation of two community meetings to receive feedback—all of which informed Study recommendations.                                                                                                                                               |                                                                  |                             |                                                                                     |
| 01/24 - 11/25                                            | <b>COASTAL RESILIENCE STUDY   Various Locations, LA</b><br><b>Principal Planner/Outreach Specialist.</b> In response to two moratoriums limiting development in Districts 11 and 7, Alexandra led a land use and resilient infrastructure study south of I-12 in coordination with Council members, Parish staff, community groups, and key stakeholders. The Study assessed existing conditions, land use patterns, and mapping data; evaluated existing development trends and parish-wide planning efforts, including climate mitigation efforts, flood risk; and identified and recommended (via ordinance and mapping tools) opportunities to support more sustainable future development patterns and infrastructure investments. Proposed higher building standards and zoning recommendations were adopted in the Summer and Fall of 2025. |                                                                  |                             |                                                                                     |
| 05/24 - 12/24                                            | <b>SAFE STREETS FOR ALL ACTION PLAN   Abita Springs, LA</b><br><b>Principal Planner/Outreach Specialist.</b> In partnership with Fairway Consulting, Desire Line developed a Safe Streets for All Action Plan for the Town of Abita Springs, Louisiana. Alexandra managed and facilitated all planning and outreach and engagement elements including: safety task force setup and management; development and launch of a project website, project branding; online surveys; review and analysis of previous plans and studies; review and mapping of demographic, public health, environmental, and land use data; community meetings; plan visioning, goals, and objectives; development of project evaluation criteria and project prioritization methods; and successful final plan compilation and adoption.                                 |                                                                  |                             |                                                                                     |

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| 11/22 - 08/23 | <b>RESILIENT HOUSING PLAN   St. John Parish, LA</b><br><b>Principal Planner/Outreach Specialist.</b> St. John was selected to be a Pilot Community for the development of a Resilient Housing Plan with a multidisciplinary team of stakeholders across the Gulf Coast. As Principal, Alexandra oversaw the Plan development, which focused on illustrating how resource-limited jurisdictions can adapt to changing conditions by tapping regional partnerships to achieve long-term planning goals. The Plan received an Excellence Award for a Plan from the Louisiana Chapter of the American Planning Association in 2024.                                                                                                                                                                   |
| 10/22 - 11/23 | <b>COMPREHENSIVE PLAN AND CAPITAL IMPROVEMENT PLAN   Tangipahoa Parish, LA</b><br><b>Principal Planner/Outreach Specialist.</b> In partnership with Villavaso & Associates, Desire Line updated Tangipahoa's Comprehensive Plan to address the challenges associated with unplanned growth. Alexandra managed the plan development, outreach and engagement activities, project invoicing, and project schedule.                                                                                                                                                                                                                                                                                                                                                                                  |
| 09/18 - 09/21 | <b>PROGRAM MANAGER, LOUISIANA WATERSHED INITIATIVE CDBG-MIT, OFFICE OF COMMUNITY DEVELOPMENT   Various Locations, LA</b><br><b>Program Manager.</b> As Program Manager for the LWI, Alexandra worked across agencies and communicated with the public effectively to build trust and create cohesion across the Initiative. She directly managed and programmed the expenditure of \$1.2 billion in HUD CDBG-MIT funds to implement the Louisiana Watershed Initiative (LWI), managed over 15 working groups, 20 agreements, and 35 active task orders, and facilitated the award of over \$500M in projects. Alexandra developed LWI Round 1 project criteria, and entered into, and directly managed, over \$100M in agreements with LADOTD.                                                    |
| 01/15 - 11/18 | <b>PLANNING &amp; ZONING DIRECTOR   St. John Parish Council, LA</b><br><b>Principal Planner/Outreach Specialist.</b> Managed more than 20 civil service and contract employees; Reviewed planning (including subdivision and PUD requests) permit, building code, business, trade, floodplain, and historic district applications; Managed projects and grants re: housing recovery, streetscape, rail, and sidewalk enhancements; Managed the operations of the Planning Commission, Zoning Board of Adjustments, Historic District Commission, and local violation Administrative Adjudication Hearing proceedings; Drafted code amendments that established the Coastal Zone Committee & Historic Preservation Commission; Updated nuisance, parking, landscaping, PUD, and subdivision codes. |
| 02/09 - 12/15 | <b>COMPREHENSIVE PLANNER II   Jefferson Parish Planning Department, LA</b><br><b>Principal Planner/Outreach Specialist.</b> Completed comprehensive land use studies, subarea plans, land use and zoning reports, and code amendments; Composed maps, managed special projects; and completed grant applications with a focus on advancing smart growth principles; Developed and implemented pedestrian-oriented districts with design standards along historic roads and commercial nodes, code amendments and graphics for special districts, parish wide clear vision areas, telecommunication towers, commercial vehicles, parking, and raised dwellings.                                                                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Desire Line LLC                                                         |                              |  |
| NAME                                                     | Evelyn Campo, CFM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                             | 4                            |                                                                                    |
| TITLE                                                    | Project Manager, Certified Floodplain Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                      | 11                           |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MA   2013   Urban and Regional Planning // BA   2010   Fine Arts        |                              |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CFM Certification No. US-13-07292   National Certification   01/31/2027 |                              |                                                                                    |
| YEAR REGISTERED                                          | 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DISCIPLINE                                                              | Certified Floodplain Manager |                                                                                    |
| Contract role(s) / brief description of responsibilities | Evelyn is a Project Manager who provides oversight and QC's data collection, analysis, etc. associated with resilience, GIS, and community engagement work products. Evelyn will provide <b>STAKEHOLDER/ AGENCY OUTREACH/INVOLVEMENT, PLANS CONSISTENCY, LAND USE AND FARMLAND SOILS ASSESSMENTS</b> and <b>FLOODPLAINS AND SURFACE WATERS</b> services for this project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                         |                              |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                         |                              |                                                                                    |
| 05/24 - Ongoing                                          | <b>LWI REGION 6 WATERSHED PLAN   Various Locations, LA</b><br><b>Project Manager, Floodplain Manager.</b> Facilitates the production of Region 6's Watershed Plan, which covers 16 parishes in Louisiana, including facilitating community engagement and outreach, leading Steering Committee meetings, and supervising all tasks in the Watershed Plan development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                         |                              |                                                                                    |
| 01/25 - 01/26                                            | <b>COMPREHENSIVE TRANSIENT LODGING STUDY   New Orleans, LA</b><br><b>Project Manager, Floodplain Manager.</b> Desire Line completed a Transient Lodging Study for the City of New Orleans, Louisiana. Evelyn oversaw and assisted with comprehensive GIS / mapping tasks and analysis; outreach and engagement activities; and Study development and recommendations; adopted by the City Planning Commission in January 2026.                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                         |                              |                                                                                    |
| 05/24 - 12/25                                            | <b>CITY OF MANDEVILLE 2045 COMPREHENSIVE PLAN   Mandeville, LA</b><br><b>Project Manager, Floodplain Manager.</b> Desire Line completed the City of Mandeville, Louisiana's Comprehensive Plan; adopted in December 2025. As Project Manager, Evelyn led and oversaw all outreach and plan development activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |                              |                                                                                    |
| 01/24 - 11/25                                            | <b>COASTAL RESILIENCE STUDY   Various Locations, LA</b><br><b>Project Manager, Floodplain Manager.</b> In response to two moratoriums limiting development in Districts 11 and 7, Ms. Campo supported development of a land use and resilient infrastructure study south of I-12 in coordination with Council members, Parish staff, community groups, and key stakeholders. The Study assessed existing conditions, land use patterns, and mapping data; evaluated existing development trends and parish-wide planning efforts, including climate mitigation efforts, flood risk; and identified and recommended (via ordinance and mapping tools) opportunities to support more sustainable future development patterns and infrastructure investments. Proposed higher building standards and zoning recommendations were adopted in the Summer and Fall of 2025. |                                                                         |                              |                                                                                    |
| 10/24 - 10/25                                            | <b>REPETITIVE LOSS AREA ANALYSIS   Slidell, LA</b><br><b>Project Manager, Floodplain Manager.</b> The City of Slidell tasked Principal Engineering and Desire Line to complete a Repetitive Loss Area Analysis (RLAA) for 11 areas in the city. An RLAA is a report that communities produce so that they can reduce flood risk over time and enhance community resilience to future flooding. As Project Manager and Senior Floodplain Manager, Evelyn organized and coordinated site visits, data collection, recommendations and findings for flood mitigation. The final report provides recommendations for structural and nonstructural flood mitigation for individual structures and enabled the City to maintain its CRS Class 6 status.                                                                                                                     |                                                                         |                              |                                                                                    |
| 10/23 - 03/25                                            | <b>LOWER ST. BERNARD/LOUISIANA INTERNATIONAL TERMINAL ROADWAY NETWORK AND STAGE "0" FEASIBILITY STUDY   St. Bernard Parish, LA</b><br><b>Project Manager, Floodplain Manager.</b> Evelyn provided regulatory oversight and support functions for NEPA compliance activities, analysis of public input, and community resilience analysis, re: vulnerable populations and hazard mitigation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                         |                              |                                                                                    |
| 10/22 - 01/23                                            | <b>COMPREHENSIVE PLAN AND CAPITAL IMPROVEMENT PLAN   Tangipahoa Parish, LA</b><br><b>Project Manager, Floodplain Manager.</b> In partnership with Villavaso & Associates, Desire Line updated Tangipahoa's Comprehensive Plan to address the challenges associated with unplanned growth. Evelyn facilitated plan development activities and applied her floodplain management and CDBG expertise to enable the development of a "Hazards First" approach to long-term community growth reflective of transportation network challenges and social vulnerability.                                                                                                                                                                                                                                                                                                     |                                                                         |                              |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Desire Line LLC                                                                                                          |                                                 |  |
| NAME                                                     | Tara Lambeth, PhD, AICP, CFM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                                              | 1                                               |                                                                                    |
| TITLE                                                    | Assistant Project Manager, Floodplain Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                                                       | 14                                              |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PhD   2016   Urban Studies // MS   2012   City and Regional Planning // BA   2005   Film & Television / Dramatic Writing |                                                 |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AICP Certification No. 32139   National   03/31/2026<br>CFM Certification No. US-14-08158   National                     |                                                 |                                                                                    |
| YEAR REGISTERED                                          | 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DISCIPLINE                                                                                                               | Certified Planner, Certified Floodplain Manager |                                                                                    |
| Contract role(s) / brief description of responsibilities | Tara is an Assistant Project Manager who reviews and provides analysis associated with resilience, GIS, and community engagement work products. Tara will provide <b>STAKEHOLDER/AGENCY OUTREACH/INVOLVEMENT</b> services for this project.                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                          |                                                 |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                          |                                                 |                                                                                    |
| 10/23 - Ongoing                                          | <b>COMPREHENSIVE PLAN AND CAPITAL IMPROVEMENT PLAN   St. James Parish, LA</b><br><b>Assistant Project Manager, Floodplain Manager.</b> Tara supported the development of St. James Parish, Louisiana's Comprehensive Plan through planning, floodplain management, GIS, outreach and engagement, and research and analysis.                                                                                                                                                                                                                                                                                                                 |                                                                                                                          |                                                 |                                                                                    |
| 05/24 - Ongoing                                          | <b>LWI REGION 6 WATERSHED PLAN   Various Locations, LA</b><br><b>Assistant Project Manager, Floodplain Manager.</b> Tara supports engagement, analysis of watershed and floodplain existing and future conditions, FEMA compliance and Community Rating System alignment, and short- and long-term plan recommendations.                                                                                                                                                                                                                                                                                                                    |                                                                                                                          |                                                 |                                                                                    |
| 01/25 - 01/26                                            | <b>COMPREHENSIVE TRANSIENT LODGING STUDY   New Orleans, LA</b><br><b>Assistant Project Manager, Floodplain Manager.</b> Tara assisted with the City of New Orleans, Louisiana's Comprehensive Study including city, stakeholder, and public outreach activities; data analysis; and final recommendation development.                                                                                                                                                                                                                                                                                                                       |                                                                                                                          |                                                 |                                                                                    |
| 10/24 - 10/25                                            | <b>COMPREHENSIVE PLAN AND CAPITAL IMPROVEMENT PLAN   Mandeville, LA</b><br><b>Assistant Project Manager, Floodplain Manager.</b> Tara assisted the City of Mandeville, Louisiana's planning activities. She mapped and provided relevant spatial analysis, detailed future flood and community planning considerations, and facilitated community outreach and engagement activities.                                                                                                                                                                                                                                                       |                                                                                                                          |                                                 |                                                                                    |
| 10/24 - 10/25                                            | <b>REPETITIVE LOSS AREA ANALYSIS   Slidell, LA</b><br><b>Assistant Project Manager, Floodplain Manager.</b> Tara facilitated and managed team site visits and data collection efforts across 11 areas in the City of Slidell, Louisiana, and supported development of recommendations for flood mitigation actions.                                                                                                                                                                                                                                                                                                                         |                                                                                                                          |                                                 |                                                                                    |
| 10/24 - 10/25                                            | <b>ALLIANCE TO ST. JUDE TARGETED MARKET STUDY   Plaquemines Parish, LA</b><br><b>Assistant Project Manager, Floodplain Manager.</b> Tara supported the development of a Targeted Market Study in Plaquemines Parish, Louisiana. She researched existing conditions, demographics, market conditions; developed presentations; facilitated community meetings and completed the Study final report.                                                                                                                                                                                                                                          |                                                                                                                          |                                                 |                                                                                    |
| 01/21 - 10/24                                            | <b>PLANNING &amp; ZONING DIRECTOR AND COASTAL AND WATER MANAGEMENT DIVISION LEAD   St. John the Baptist Parish, LA</b><br><b>Principal Planner/Outreach Specialist.</b> Tara the Permits, Code Enforcement, and Coastal and Water Management Divisions, coordinated and administered local, state, and federal planning policies and procedures, managed resilience projects for coastal protection and restoration, complete streets, ecotourism, green infrastructure, stormwater management, housing, and historic preservation, identified grant and project opportunities, and led damage assessment activities after disaster events. |                                                                                                                          |                                                 |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Desire Line LLC                                                                                            |                   |  |
| NAME                                                     | Kara Dudek-Mizel, AICP, GIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER                                                                | 2                 |                                                                                    |
| TITLE                                                    | Planner/Outreach Specialist/Website Developer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)                                                         | 10                |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | BA   2015   Urban and Regional Planning                                                                    |                   |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AICP Certification No. 286218   National   12/31/2026<br>GIP Certification No. 1138   National   11/1/2026 |                   |                                                                                    |
| YEAR REGISTERED                                          | 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DISCIPLINE                                                                                                 | Certified Planner |                                                                                    |
| Contract role(s) / brief description of responsibilities | Kara is an Assistant Project Manager who reviews and provides analysis associated with resilience, community engagement work products and project website development. Kara will provide <b>DIGITAL &amp; MEDIA MGMT./SECTION 508 COMPLIANCE</b> services for this project.                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                            |                   |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                            |                   |                                                                                    |
| 10/23 - Ongoing                                          | <b>COMPREHENSIVE PLAN AND CAPITAL IMPROVEMENT PLAN   St. James Parish, LA</b><br><b>Planner/Outreach Specialist/Website Developer.</b> Kara supports the development of St. James Parish, Louisiana's Comprehensive Plan through planning, outreach and engagement, project website development, and research and analysis.                                                                                                                                                                                                                                                                                                                                                         |                                                                                                            |                   |                                                                                    |
| 05/24 - Ongoing                                          | <b>LWI REGION 6 WATERSHED PLAN   Various Locations, LA</b><br><b>Planner/Outreach Specialist/Website Developer.</b> Kara contributes to the outreach and engagement and Watershed Plan development. She also leads design, development, and maintenance of the Watershed Plan website in order to keep stakeholders and the public updated on Plan updates.                                                                                                                                                                                                                                                                                                                         |                                                                                                            |                   |                                                                                    |
| 01/25 - 01/26                                            | <b>COMPREHENSIVE TRANSIENT LODGING STUDY   New Orleans, LA</b><br><b>Planner/Outreach Specialist/Website Developer.</b> Kara assisted with the City of New Orleans, Louisiana's Comprehensive Study including city, stakeholder, and public outreach activities; developed and maintained project website; data analysis; and final recommendation development.                                                                                                                                                                                                                                                                                                                     |                                                                                                            |                   |                                                                                    |
| 05/24 - 12/25                                            | <b>COMPREHENSIVE PLAN AND CAPITAL IMPROVEMENT PLAN   Mandeville, LA</b><br><b>Planner/Outreach Specialist/Website Developer.</b> Kara assisted the City of Mandeville, Louisiana's planning activities. She also designed and developed a project website and facilitated community outreach and engagement activities.                                                                                                                                                                                                                                                                                                                                                             |                                                                                                            |                   |                                                                                    |
| 10/23 - 03/25                                            | <b>LOWER ST. BERNARD/LOUISIANA INTERNATIONAL TERMINAL ROADWAY NETWORK AND STAGE "0" FEASIBILITY STUDY   St. Bernard Parish, LA</b><br><b>Planner/Outreach Specialist/Website Developer.</b> Kara assisted with public outreach effort, which included the development of an Outreach and Engagement Plan, stakeholder interviews, design and development of a project website, and the facilitation of community meetings to receive feedback.                                                                                                                                                                                                                                      |                                                                                                            |                   |                                                                                    |
| 05/24 - 12/24                                            | <b>SAFE STREETS FOR ALL ACTION PLAN   Abita Spring, LA</b><br><b>Planner/Outreach Specialist/Website Developer.</b> Kara assisted with the Town of Abita Spring with planning and outreach and engagement elements including: safety task force setup; design, development, and launch of a project website, project branding; online surveys; review and analysis of previous plans and studies; review and mapping of demographic, public health, environmental, and land use data; community meetings; plan visioning, goals, and objectives; development of project evaluation criteria and project prioritization methods; and successful final plan compilation and adoption. |                                                                                                            |                   |                                                                                    |
| 10/22 - 11/23                                            | <b>COMPREHENSIVE PLAN AND CAPITAL IMPROVEMENT PLAN   Tangipahoa Parish, LA</b><br><b>Planner/Outreach Specialist/Website Developer.</b> Kara assisted Tangipahoa Parish, Louisiana's Comprehensive Plan with community outreach to address new challenges associated with unplanned growth, including road congestion and public safety.                                                                                                                                                                                                                                                                                                                                            |                                                                                                            |                   |                                                                                    |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Innovative Contracting and Engineering Professional LLC |     |  |
| NAME                                                     | Kyle Norseth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER             | 7   |                                                                                    |
| TITLE                                                    | ICE Project Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)      | 20  |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BS   2009   Construction Management                     |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | N/A                                                     |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DISCIPLINE                                              | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | Kyle will provide <b>COST ANALYSIS AND SCHEDULING</b> services for this project. Kyle is an ICE Project Manager and Lead Estimator. He will oversee the development of contractor-style, production-based cost estimates, identify cost-saving innovations, and coordinate closely with constructability and scheduling leads. <b>Kyle meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 25</b>                                                                                                                                                                      |                                                         |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |     |                                                                                    |
| 12/25 - Ongoing                                          | <b>I-20/I-55 FREIGHT CORRIDOR   MDOT Project Manager.</b> Led the overall ICE team efforts for this massive regional mobility investment. Managed continuous multi-agency coordination with MDOT, the Federal Highway Administration, regional freight coalitions, and local traffic enforcement agencies to ensure the proposed construction phasing met all jurisdictional safety and mobility requirements. Provided direct added value for NEPA and preliminary design SAs by navigating heavy freight coordination and Gulf Coast regional logistics. Provided executive risk management and cost control to enhance the longevity and safety of this critical freight route.                 |                                                         |     |                                                                                    |
| 04/24 - Ongoing                                          | <b>KANSAS LANE - GARRETT RD CONNECTOR &amp; I-20   LADOTD Project Manager.</b> Scope includes widening I-20, realigning Kansas Lane, and constructing new bridges over KCS Railroad tracks and Millhaven Road, plus four new roundabouts. Provided added value for preliminary/final design SAs by ensuring the production-based cost models accurately reflected the complex multi-bridge corridors and urban intersections, verifying that the aggressive 4-year alternative phasing schedule proposed by the ICE team was financially sound and properly resourced.                                                                                                                             |                                                         |     |                                                                                    |
| 12/23 - Ongoing                                          | <b>SUSQUEHANNA RIVER RAIL BRIDGE (SRB)   AMTRAK Lead Estimator.</b> Provided executive-level firm-wide estimating leadership and alternative delivery validation for this massive \$2.5B mega-project. Provided added value for NEPA and design SAs by reviewing multi-agency coordination efforts, marine foundation construction, and rail interface strategies to validate contractor pricing. Facilitated rigorous reconciliation meetings to ensure fair-market value on massive structural components over navigable waterways, demonstrating deep capability to manage complex mega-project budgets and contractor negotiations.                                                            |                                                         |     |                                                                                    |
| 01/23 - 03/26                                            | <b>DE SOTO LOCAL ROADWAY IMPROVEMENTS   KDOT Lead Estimator</b> for KDOT's first PDB project (\$40M), widening 4.5 miles of two-lane road into a new 4-lane divided highway with bike lanes, sidewalks, and lighting improvements. Provided added value for design SAs by establishing ICE protocols that became the state's template for future projects. Led an estimate reconciliation approach that resolved cost and constructability conflicts between the contractor and designer in days instead of weeks, finding a middle ground that protected the schedule while maintaining the budget.                                                                                               |                                                         |     |                                                                                    |
| 05/20 - 12/25                                            | <b>I-40/I-55/HWY-77 "WEST MEMPHIS" INTERCHANGE   ARDOT Senior Estimator</b> for ARDOT's first PDB project (\$120M). The project involved widening I-40/I-55 to create a merge lane, widening the existing I-40 bridge, realigning Hwy-77, and constructing a new bridge over the BNSF railroad. Provided highly relevant added value for preliminary design SAs by establishing estimate reconciliation protocols that balanced transparency with competitive tension, building trust with stakeholders unfamiliar with PDB delivery. Identified \$8M in savings through optimized railroad crossing sequencing and collaborated to procure early works packages to mitigate overall project risk. |                                                         |     |                                                                                    |
| 11/22 - 01/24                                            | <b>NIOBRARA EAST &amp; WEST   NEBRASKA DOT Lead Estimator and ICE Project Manager</b> for this 167M-200M flood-resilient highway rehabilitation CM/GC project. Developed a risk-based estimating approach that segregated flood-sensitive work near the Missouri River, preventing blanket contingencies and saving the owner \$15M. This is directly applicable to coastal and wetland projects in St. Bernard Parish, providing added value for environmental and design SAs through alternate embankment stabilization evaluations, optimized material sourcing in flood-prone areas, and executive briefings that clearly communicated pricing rationale.                                      |                                                         |     |                                                                                    |

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| 06/21 - 03/23 | <b>NORTH MILLSBORO BYPASS   DELDOT</b><br><b>Lead Estimator</b> for a \$130M CM/GC project constructing a 2-lane bypass road and three new bridges. Provided added value for NEPA and design SAs by identifying an innovative "top-down" construction method for the bridges spanning Millsboro Pond, which reduced environmental impacts while managing costs. Facilitated value engineering sessions that captured \$4M in savings through alternate retaining wall systems, ensuring cost discipline was maintained as the design evolved from 30% to GMP.                                                                                                                                                 |
| 10/19 - 02/23 | <b>JOHNSON LANE DDI   MDT</b><br><b>Lead Estimator</b> for a \$30M CM/GC project that replaced an existing I-90 overpass and converted an interchange to a Diverging Diamond Interchange (DDI). Added value for design SAs included delivering Montana's first DDI within budget despite contractor claims for winter premium costs. His production-based estimates successfully proved that weather impacts were already included in baseline production rates, facilitating a GMP agreement in a single negotiation session.                                                                                                                                                                                |
| 08/19 - 01/23 | <b>I-25 NORTH EXPRESS LANES, SEGMENTS 5&amp;6   CDOT</b><br><b>Lead Estimator and ICE Project Manager</b> for a \$215M freeway widening CM/GC project. The multi-modal scope included five bridge structures, full-depth pavement replacement, complete systems utility relocation, storm drain improvements, and complex traffic phasing. Provided added value for design SAs by navigating complex funding changes requiring multiple project phasing iterations. Led estimate coordination meetings that identified \$3M in savings through MOT optimization while maintaining interstate operations and successfully challenged contractor acceleration claims using production-based workspace analysis. |
| 07/19 - 11/20 | <b>I-95 WILMINGTON VIADUCT   DELDOT</b><br><b>Senior Estimator</b> for this \$178M CM/GC rehabilitation of a 6-mile viaduct and 17 bridges in a constrained urban corridor with challenging sub-grade conditions. Provided massive added value for preliminary design SAs by compiling rigorous fair-market pricing backup that successfully challenged the contractor's initial bid, reducing the price by over \$33M at the first cost model discussion. Kyle collaborated with the team to optimize project scope by changing pavement design from full-depth concrete to crack & seal overlay, saving \$11M and avoiding major schedule delays.                                                           |
| 02/19 - 02/20 | <b>I-30 ARKANSAS RIVER CROSSING   ARDOT</b><br><b>Lead Estimator</b> for this Design-Build project. This project included construction of a new bridge structure for eastbound traffic and reconstruction of the existing bridge for westbound traffic. The project also included major approach construction on I-30 both north and south of the Arkansas River crossing. In addition, there are new flyovers and interchange improvements at I-30 / I-630 Interchange, I-30 / I-40 Interchange, and the I-40 / Hwy 67 Interchange. There are several intersection improvements, including access to Markham Street in Downtown Little Rock.                                                                 |
| 06/17 - 08/19 | <b>I-15 TECHNOLOGY CORRIDOR   UDOT</b><br><b>Lead Estimator.</b> This design-build project expanded 5 miles of the largest and busiest part of the interstate running through the heart of Salt Lake City. The project required 12 new bridge structures, utilities, widening and re-surfacing of 5 miles of interstate roadway. The project budget for this project was \$415 million.                                                                                                                                                                                                                                                                                                                       |
| 06/15 - 11/17 | <b>I-15/10600 SOUTH INTERCHANGE   UDOT</b><br><b>Lead Estimator and Lead Construction Scheduler.</b> This CM/GC project built safe access off I-15 to the state road adjacent to the South Town Mall, requiring the construction and sliding of a 3-million-pound concrete bridge under 10600 South during a one-week road closure. By utilizing the Accelerated Bridge Construction method developed during the CMGC process, the project achieved minimal impacts on the traveling public while delivering a cost-effective, safe, and easily maintained structure.                                                                                                                                         |
| 04/14 - 08/15 | <b>UPP REPOWERING, KENNECOTT COPPER MINE, MAGNA, UT</b><br><b>Lead Estimator.</b> The UPP Repowering project was the first phase of a new gas turbine power plant at Kennecott. This project consisted of 168,000 CY of excavation, 1,800 CY of structural concrete, over 400 anchor bolts/embeds, 200 micropyles, and a mechanically stabilized earth retaining wall. Kyle was a cost estimator and project engineer on this project.                                                                                                                                                                                                                                                                        |
| 02/13 - 11/14 | <b>ASPHALT OVERLAY PROGRAM PHASE VI, SALT LAKE DEPARTMENT OF AIRPORTS</b><br><b>Lead Estimator.</b> Asphalt Overlay Program Phase VI project consisted of a 2-inch mill and overly in 5 locations, paving fabric and 2-inch overlay in 2 locations, PCCP reconstruction in 1 location and the addition of 2 new parking lots. The job received the ACPA Award for Concrete Paving. Kyle was a cost estimator and project engineer on this project.                                                                                                                                                                                                                                                            |
| 04/12 - 08/13 | <b>CORNERSTONE FLOTATION CONCRETE, PHASE 2, RTKC, SALT LAKE CITY, UT</b><br><b>Lead Estimator.</b> Rough Flotation Expansion project concrete consisted of an intricate concrete structure with more than 10,000 CY of concrete. This project demanded detailed 24-hour scheduling with crews larger than 60 members and interfaced with steel, masonry, mechanical and electric contractors. Kyle provided cost estimating and scheduling services on this project.                                                                                                                                                                                                                                          |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Innovative Contracting and Engineering Professional LLC |     |  |
| NAME                                                     | Jeremy Harvey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER             | 4   |                                                                                     |
| TITLE                                                    | Lead Cost Estimator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)      | 20  |                                                                                     |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BS   2007   Business & Information Technology           |     |                                                                                     |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N/A                                                     |     |                                                                                     |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DISCIPLINE                                              | N/A |                                                                                     |
| Contract role(s) / brief description of responsibilities | Jeremy will provide <b>COST ANALYSIS AND SCHEDULING</b> services for this project. Jeremy is a Lead Roadway Cost Estimator. He will provide production-based cost estimates for roadway elements, contribute to constructability reviews, risk recognition, and cost reconciliation discussions. <b>Jeremy meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 25</b>                                                                                                                                                                                                                                                                                            |                                                         |     |                                                                                     |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                         |     |                                                                                     |
| 12/25 - Ongoing                                          | <b>I-20/I-55 FREIGHT CORRIDOR   MDOT</b><br><b>Lead Estimator.</b> Led the cost estimating efforts for this massive regional mobility investment and freight corridor rehabilitation. Developed production-based cost models that accounted for regional freight traffic and the challenges of expansive soil conditions in a Gulf Coast environment, sharing identical weather and soil considerations to the Central Wetlands and Chalmette areas. Provided major added value for design SAs by identifying and pricing accelerated construction techniques and night work to support an expedited, time-critical schedule. Demonstrated a thorough understanding of pricing major infrastructure improvements in vital Gulf Coast freight corridors without disrupting the local economy. |                                                         |     |                                                                                     |
| 04/24 - Ongoing                                          | <b>KANSAS LANE - GARRETT RD CONNECTOR &amp; I-20   LADOTD</b><br><b>Senior Cost Estimator</b> for this \$230M widening and road realignment project. Developed production-based estimates for the reconstruction of existing bridges, widening of I-20, and the installation of four new roundabouts in a high-traffic environment. Highly relevant LADOTD experience demonstrating added value by validating the cost implications of modified phasing approaches that prioritized expensive construction activities earlier in the project to minimize escalation costs.                                                                                                                                                                                                                   |                                                         |     |                                                                                     |
| 12/24 - Ongoing                                          | <b>SIERRA STREET BRIDGE REPLACEMENT   WASHOE RTC</b><br><b>Lead Estimator</b> for a CMAR bridge replacement over the Truckee River. Achieved pricing convergence by validating single-season construction feasibility, challenging \$2.7M dewatering assumptions, and recommending Nevada-manufactured muscle wall technology for river diversion versus traditional two-season methods. Minimized environmental impacts while maintaining hydraulic capacity, providing direct added value for environmental and preliminary design SAs.                                                                                                                                                                                                                                                    |                                                         |     |                                                                                     |
| 12/23 - Ongoing                                          | <b>SUSQUEHANNA RIVER RAIL BRIDGE (SRB)   AMTRAK</b><br><b>Senior Cost Estimator.</b> Provided firm-wide risk management and cost estimating support for ICE Teams on this \$2.5B mega-project. The project involves replacing a 116-year-old bottleneck with two new double-track bridges to improve navigation channels for marine users and accommodate high-speed rail. Provided added value for NEPA and preliminary design SAs by identifying manufacturing efficiency innovations and minimizing installation conflicts, resulting in \$40M in verified savings.                                                                                                                                                                                                                       |                                                         |     |                                                                                     |
| 01/22 - 01/26                                            | <b>MOUNTAIN PARKWAY   KYTC</b><br><b>Senior Cost Estimator</b> for a 500M-1B PDB corridor expansion aiming to enhance highway safety and connectivity. The project involves widening and expanding the existing parkway to four lanes and extending it across 46 miles of new alignment. Provided added value for preliminary design SAs by utilizing HCSS HeavyBid modeling to address complex drainage features, rock excavation variability, and restricted equipment access in challenging topography, ultimately identifying \$45M in overstated costs.                                                                                                                                                                                                                                 |                                                         |     |                                                                                     |
| 04/22 - 12/25                                            | <b>I-40/I-55/HWY-77 "WEST MEMPHIS" INTERCHANGE   ARDOT</b><br><b>Lead Estimator</b> for this \$120M PDB project. This project involved widening I-40/I-55, grade-separated crossings, a new bridge over the BNSF railroad, and wall-supported embankments requiring ground stabilization. Provided added value for NEPA and preliminary design SAs by analyzing railroad coordination costs against actual agreements, saving \$3M, and collaborating with the owner to procure an early works package for bridge approach fills to mitigate settlement risks ahead of the critical path.                                                                                                                                                                                                    |                                                         |     |                                                                                     |

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| 01/23 – 06/25 | <b>ARLINGTON AVENUE BRIDGES REPLACEMENT   WASHOE RTC</b><br><b>Lead Estimator</b> for this \$32M CMAR project to replace two bridges over the Truckee River, serving as a critical multi-modal link in downtown Reno. Reconciled a 32% initial cost divergence down to 4.7% at the GMP through blinded pricing negotiations. Provided added value for design by accurately capturing river diversion complexities, public safety requirements, and three-month in-water work windows, validating a demolition method that eliminated crane operations..                                                                                |
| 06/21 – 03/23 | <b>NORTH MILLSBORO BYPASS   DELDOT</b><br><b>Senior Estimator</b> for this \$90M CM/GC project constructing a 2.8-mile 2-lane bypass road. The scope included four new bridge structures, intersections, elevated sections supported by retaining walls, and ground stabilization spanning sections of Millsboro Pond, an environmentally sensitive area. Performed market research, prepared detailed quantity takeoffs, and provided QA/QC for cost models, ensuring accurate pricing for new alignment construction in wetlands and waterways.                                                                                      |
| 04/22– 05/22  | <b>I-49 S: AMBASSADOR CAFFERY / US 90   LADOTD</b><br><b>Senior Estimator</b> for this DB project which constructed 2.4 miles of new two-lane frontage roads and mainline interchange structures. Provided production-based estimates for earthwork, bridge, and drainage pricing, including several miles of underground utilities and structures traversing a BNSF railroad line. Demonstrated highly relevant LADOTD experience by producing an independent estimate within 0.35% of the low bid under a compressed schedule.                                                                                                       |
| 02/21 – 04/22 | <b>I-80 1300 E TO 2300 E; I-215 3300 S TO 4500 S   UDOT</b><br><b>Lead Estimator and Project Manager.</b> This design-build project involved asphalt paving work on major interstate corridors in Salt Lake City with high-volume material delivery. Jeremy successfully negotiated procurement strategy and developed detailed cost estimates for over 80,000 tons of various asphalt mixes with optimized delivery sequencing and secured competitive pricing and material delivery logistics that became template for future high-volume paving projects, reducing material costs by optimizing regional supplier coordination.     |
| 06/19 – 12/20 | <b>TAXIWAY K REHABILITATION   SLC AIRPORT</b><br><b>Project Manager, Estimator.</b> This rehabilitation of a 10,000-foot taxiway included asphalt paving, underground cable installation, lighting upgrades, and drainage improvements in operational airport environment. Jeremy managed complex estimating process and project coordination requiring continuous stakeholder communication to ensure zero service disruption. Successfully coordinated phasing strategy and traffic management protocols that maintained operational integrity while executing \$5.5M infrastructure project with multiple concurrent work packages. |
| 03/18 – 10/19 | <b>I-80 LAMBS TO KIMBALL JUNCTION   UDOT</b><br><b>Project Manager, Estimator</b> for a 7-mile major highway rehabilitation project. The project comprised over 50,000 tons of stone matrix asphalt, structure repair, and significant drainage work. Managed the estimating process to ensure accurate production-based pricing for highway reconstruction under heavy traffic constraints.                                                                                                                                                                                                                                           |
| 01/15 – 12/16 | <b>RUNWAY 17-35   SLC AIRPORT</b><br><b>Project Manager, Estimator.</b> This rehabilitation of a 9,600-foot runway replaced over 53,000 tons of asphalt, 100 miles of underground cable, and installation of over 1,100 new LED lights. Jeremy led cost estimating and project management for this major airport infrastructure improvement with complex sequencing and extensive underground systems coordination. Successfully delivered project earning the 2016 Project of the Year Award for Airport/Transportation Construction from the AGC of Utah, demonstrating excellence in large-scale airport infrastructure delivery.   |

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| FIRM EMPLOYED BY                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Innovative Contracting and Engineering Professional LLC |     |  |
| NAME                                                     | CJ Barker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER             | 3   |                                                                                    |
| TITLE                                                    | Risk Management Lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)      | 30  |                                                                                    |
| DEGREE(S) / YEARS / SPECIALIZATION                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BS   1995   Construction Management                     |     |                                                                                    |
| ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | N/A                                                     |     |                                                                                    |
| YEAR REGISTERED                                          | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DISCIPLINE                                              | N/A |                                                                                    |
| Contract role(s) / brief description of responsibilities | CJ will provide <b>CONSTRUCTABILITY ANALYSIS / RISK</b> services for this project. CJ is a Subject Matter Specialist (Freight & Rail) / Risk Management Lead. He will oversee risk quantification, rail interface strategies, marine/waterway coordination, and contingency modeling to ensure transparent allocation of costs and schedule impacts.                                                                                                                                                                                                                                                                                              |                                                         |     |                                                                                    |
| Experience dates (mm/yy - mm/yy)                         | Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |     |                                                                                    |
| 12/25 - Ongoing                                          | <b>I-20/I-55 FREIGHT CORRIDOR   MDOT</b><br><b>Constructability Lead.</b> Led constructability review efforts for this massive freight corridor rehabilitation project. Provided tremendous added value for preliminary and final design SAs by rigorously evaluating complex contractor staging areas and traffic phasing limits to ensure the proposed design was safely buildable while constrained by heavy, live traffic. Conducted complex constructability analysis to safely execute work in a Gulf Coast environment affected by expansive soil conditions—considerations directly relevant to the Central Wetlands and Chalmette areas. |                                                         |     |                                                                                    |
| 12/23 - Ongoing                                          | <b>SUSQUEHANNA RIVER RAIL BRIDGE (SRB)   AMTRAK</b><br><b>Risk Management Lead and Lead Estimator</b> for a \$2.5B federally funded program replacing a 116-year-old bottleneck with two double-track bridges over a navigable waterway. Provided direct added value for NEPA and design SAs by developing a tiered risk allocation approach for marine and rail elements, separating owner-held contingency for unknown conditions from contractor contingency for means-and-methods. His systematic innovation capture and conflict resolution saved the owner \$40M.                                                                           |                                                         |     |                                                                                    |
| 04/24 - Ongoing                                          | <b>KANSAS LANE - GARRETT RD CONNECTOR &amp; I-20   LADOTD</b><br><b>Risk Management Lead.</b> Provided firm-wide executive risk oversight and rail coordination expertise for this \$230M traditional delivery LADOTD project. The highly relevant scope included widening I-20 and constructing new bridges over KCS Railroad tracks. Provided added value for final design by evaluating contractor risk assumptions associated with the aggressive urban construction phasing and identifying areas where contingency could be transparently retired as the design progressed.                                                                 |                                                         |     |                                                                                    |
| 10/22 - Ongoing                                          | <b>WEST ALABAMA HIGHWAY   ALDOT</b><br><b>Risk Management Lead and Cost Reconciler</b> for a \$1.4B, 74-mile PDB corridor expansion involving water treatment plant crossings and extensive wetlands. Directed probabilistic risk analysis and GMP validation. Provided added value for design SAs by developing contingency drawdown curves showing expected risk retirement as the design progressed, preventing contractor contingency hoarding and establishing innovative risk-sharing mechanisms.                                                                                                                                           |                                                         |     |                                                                                    |
| 01/23 - 03/26                                            | <b>DE SOTO LOCAL ROADWAY IMPROVEMENTS   KDOT</b><br><b>Risk Management Lead</b> for KDOT's first PDB project, widening 4.5 miles of roadway. Provided added value for preliminary design SAs by establishing collaborative risk allocation protocols that became the state standard. His risk register format clearly showed probability, impact, ownership, and mitigation, which transformed contentious contingency discussions into productive mitigation planning.                                                                                                                                                                           |                                                         |     |                                                                                    |
| 05/20 - 12/25                                            | <b>I-55 / SR-14 BRIDGES   TDOT</b><br><b>Risk Management Lead</b> for a \$787M CM/GC project replacing three bridges over the Illinois Central Railroad (a major hub) and Nonconnah Creek. Addressed severe coordination risks that threatened project viability. Provided added value for preliminary design SAs by developing phasing strategies that decoupled rail-dependent work from overall advancement opportunities, maintaining schedule momentum while environmental and railroad approvals were finalized.                                                                                                                            |                                                         |     |                                                                                    |
| 11/22 - 01/24                                            | <b>NIORRARA EAST &amp; WEST   NEBRASKA DOT</b><br><b>Risk Manager</b> for a 167M-200M flood-resilient highway rehabilitation. Developed probabilistic risk models based on historical Missouri River flood data rather than worst-case pricing. Provided major added value for NEPA/environmental SAs by segregating flood-sensitive work and assigning specific river gauge triggers for contingency use, saving NDOT \$30M in unnecessary contingencies. This methodology is directly applicable to coastal and wetland environments in St. Bernard Parish.                                                                                     |                                                         |     |                                                                                    |

*To North - EJP Bridge over Violet Canal*



# SECTION 17

**17. Firm Experience:**

|                                         |                                                                                             |                                                               |                                     |                                                                                  |
|-----------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------------------------|
| FIRM NAME                               | Stantec Consulting Services Inc.                                                            |                                                               | DISCIPLINE(S)*                      | Road, Bridge, Environmental, Traffic, Other (Public Outreach, Financing/Tolling) |
| PROJECT NAME                            | BATON ROUGE LOOP                                                                            |                                                               | FIRM RESPONSIBILITY (prime or sub?) | Prime (JV with HNTB)                                                             |
| PROJECT NUMBER                          | SPN: 700-96-0011                                                                            | OWNER'S NAME                                                  | City-Parish of East Baton Rouge     |                                                                                  |
| PROJECT LOCATION                        | East Baton Rouge, West Baton Rouge, Iberville, Livingston and Ascension Parishes, Louisiana |                                                               | OWNER'S PROJECT MANAGER             | Bryan Harmon (retired); Dan Rosenquist (Current PM)                              |
| OWNER'S ADDRESS, PHONE, EMAIL           | 300 North Boulevard, Baton Rouge, LA 70802   225-389-3106   DROSENQUIST@BRLA.GOV            |                                                               |                                     |                                                                                  |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 07/07                                                                                       | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                     | \$6,500                                                                          |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | 10/16                                                                                       | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                     | \$1,940                                                                          |

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

**The metro-Baton Rouge region has experienced unprecedented growth in recent years, creating tremendous traffic congestion on interstates and major arteries. As a possible remedy to these issues, Stantec was selected to take part in the creation of an Implementation Plan that would guide development of the proposed Baton Rouge Loop to serve the metro-area.**

Stantec was been part of a Joint Venture of two firms leading this process over several years. The team determined possible corridors, impacts, and a financial package for the construction of a major traffic loop toll road through five parishes, including two crossings of the Mississippi River. Stantec provided guidance on incorporating alternative routes and interchange locations into the Regional Travel Demand Forecasting Model along with refinement of input variables related to the project. Output from the model was used to adjust and refine potential corridor locations and develop financing options for the project. Throughout these processes, Stantec worked closely with LADOTD, FHWA, the City of Baton Rouge, the Coast Guard, and the Corps of Engineers. The project team developed planning-level cost estimates, plans for phased implementation, scheduling and financing, and the process and mechanisms to be utilized during construction.

The team then went on to the Tier 1 EIS phase submitting a Draft Environmental Impact Statement to the FHWA which will, once accepted, identify one selected corridor for the entire loop. A subsequent phase of the project, Tier 2, is almost underway to identify detailed design features, impacts, and mitigation measures for the project segments. The project has involved dozens of public outreach meetings and extensive coordination with affected agencies, including the five parishes' officials, LADOTD, the City of Baton Rouge, FHWA, the Coast Guard and the Corps of Engineers.

**TEAM MEMBERS INVOLVED: G. HEITMAN, S. HOFFELD, M. BRUCE, S. WALLACE, J. LEFANTE, J. CAINS, B. JOHNSON, N. PRUDHOMME, J. KREBS**

**TASK RELEVANCE:**

- ☒ Trans. Network Travel-Demand/Tolling considerations
- ☒ Freight and intermodal connectivity/mobility considerations
- ☒ Integration of Pre-NEPA studies/work into NEPA-phase analyses
- ☒ Planning-level roadway and structure segment feasibility and cost estimation and comparison
- ☒ Long-corridor NEPA-effects considerations
- ☒ Substantive USACE-coordination and permitting considerations
- ☒ Navigable waterway evaluation and permitting considerations
- ☒ Multiple agency coordination needs
- ☒ Close LADOTD and FHWA coordination
- ☒ Substantial stakeholder and public opposition and engagement needs



|                                         |                                                                              |                                                               |                                           |                                                                          |
|-----------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------|
| FIRM NAME                               | Stantec Consulting Services Inc.                                             |                                                               | DISCIPLINE(S)*                            | Planning, Environmental, Traffic, Road, Bridge, Geotech, Data Collection |
| PROJECT NAME                            | I-94 GRANT MARSH BRIDGE PEL STUDY                                            |                                                               |                                           | FIRM RESPONSIBILITY (prime or sub?) Prime                                |
| PROJECT NUMBER                          | N/A                                                                          | OWNER'S NAME                                                  | North Dakota Department of Transportation |                                                                          |
| PROJECT LOCATION                        | Bismark, North Dakota                                                        |                                                               |                                           | OWNER'S PROJECT MANAGER Michael Johnson                                  |
| OWNER'S ADDRESS, PHONE, EMAIL           | 608 East Boulevard Avenue, Bismarck, ND 58505   701-328-4927   rjpeck@nd.gov |                                                               |                                           |                                                                          |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 10/23                                                                        | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                           | \$3.6M                                                                   |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | Ongoing                                                                      | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                           | \$2.6M                                                                   |

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

**The Grant Marsh Bridge spans the Missouri River, serving as the only major river crossing in 165 miles, while also providing a crucial link between Bismarck and Mandan, North Dakota.**

The Grant Marsh Bridge over the Missouri River was constructed in 1965 and has not seen significant upgrades since. The structure spans 1,125 feet and carries an average of 34,000 vehicles per day on I-94, and is reaching the end of its service life and must be replaced by 2030. As the only major river crossing within a 165-mile stretch, the bridge is vital to maintaining regional mobility and freight movement. Nearby interchanges also present numerous non-standard entrances and exits which introduce confusion and weaving areas; thus the project also proposes to improve connections to meet current design standards, driver expectations, and enhance safety.

Stantec leads the Planning and Environmental Linkages (PEL) study for the North Dakota Department of Transportation (NDDOT) to evaluate feasible alternatives for replacement of the Grant Marsh Bridge and associated operational improvements to I-94 and I-194. Our team serves as the prime consultant, providing comprehensive planning, environmental, engineering, and stakeholder engagement services to guide early and NEPA-compliant alternative development and decision-making that facilitates a seamless transition into NEPA and preliminary design.

Stantec developed and evaluated a full range of alternatives including no-build, Transportation Demand Management (TDM), Transportation System Management (TSM), mass transit, improvements to the existing alignment, and Section 4(f) avoidance alternatives such as a tunnel. These high-level options were developed pursuant to FHWA guidance (23 CFR 450) and U.S. Code 23 USC §139 and §168(d)(4) to facilitate their adoption into the environmental review process.

The study integrates several technical tasks:

- Traffic and Safety Analysis: Forecasting, operational modeling, and safety reviews of I-94, I-194, and local interchanges.
- Geometric Refinement: Addressing non-standard configurations such as back-to-back left-hand exits and tight merge conditions.
- Environmental Screening: Identification of existing conditions including wetlands, parks, community features, and constraints under Section 4(f) and 6(f).
- Public, Agency, Tribe, and Stakeholder Engagement: Three public input meetings, stakeholder workshops, agency and tribe meetings, an interactive project website, virtual comment mapping, and a transparent outreach process.
- PEL Documentation: All findings and decisions are being documented to directly inform the future NEPA process, consistent with FHWA PEL guidance.

TEAM MEMBERS INVOLVED: **T. DEVENS, A. SACKAROFF, N. LANG, M. MARTIN**

**TASK RELEVANCE:**

- ☒ PEL study for a major interstate river crossing to support future NEPA
- ☒ Bridge and interchange alternatives in a constrained corridor with complex operational and safety issues
- ☒ Developed Purpose and Need, range of alternatives, and screening methodology consistent with FHWA PEL guidance
- ☒ Identified environmental "showstoppers" through early screening of wetlands, displacements, cultural resources, and Section 4(f)
- ☒ Facilitating agency coordination and stakeholder engagement using virtual tools and in-person public meetings
- ☒ Traffic operations and safety analysis to inform preliminary design of river crossings and interchanges
- ☒ Documentation and planning products structured for direct use in future NEPA environmental review
- ☒ Mapping, visualization, and GIS tools to support alternatives evaluation and public communication



|                                         |                                  |                                                                            |                                             |                                                                 |
|-----------------------------------------|----------------------------------|----------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------|
| FIRM NAME                               | Stantec Consulting Services Inc. |                                                                            | DISCIPLINE(S)*                              | Environmental, Planning, Data Collection, Road, Bridge, Traffic |
| PROJECT NAME                            | US 70 HAVELOCK BYPASS FEIS & ROD |                                                                            |                                             | FIRM RESPONSIBILITY (prime or sub?) Prime                       |
| PROJECT NUMBER                          | STIP No. R-1015                  | OWNER'S NAME                                                               | North Carolina Department of Transportation |                                                                 |
| PROJECT LOCATION                        | Craven County, NC                |                                                                            |                                             | OWNER'S PROJECT MANAGER John Conforti                           |
| OWNER'S ADDRESS, PHONE, EMAIL           |                                  | 1 S Wilmington St, Raleigh, NC 27601   919-707-6015   jgconforti@ncdot.gov |                                             |                                                                 |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 01/12                            | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                                 |                                             | \$1.2M                                                          |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | 12/16                            | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)              |                                             | \$1.2M                                                          |

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

**Our team's proactive, risk-driven approach helped maintain schedule momentum, achieve NEPA clearance under an accelerated timeline, and deliver a complex, environmentally-sensitive project through permitting and design without litigation.**

The Havelock Bypass is a proposed 10-mile, four-lane divided highway around the City of Havelock in eastern North Carolina. Designed to improve regional mobility along US 70, the corridor traverses the Croatan National Forest and federally protected red-cockaded woodpecker habitat, requiring a highly complex and closely coordinated NEPA process.

Stantec was selected to lead alternatives development, agency coordination, and preparation of a NEPA Reevaluation, Final Environmental Impact Statement (FEIS), and Record of Decision (ROD) under an accelerated schedule. Our early focus on fatal flaw screening, environmental constraints identification, and structured stakeholder engagement enabled risk-informed refinement of the project alternatives, avoiding costly delays later in the process.

Throughout the project, our team facilitated intensive agency coordination, successfully guiding the project through Concurrence Points 3 and 4 of North Carolina's NEPA/Section 404 Merger Process. We worked closely with the U.S. Forest Service (USFS), a cooperating agency, to expedite review and comment resolution and to secure land transfer approvals needed for future permitting.

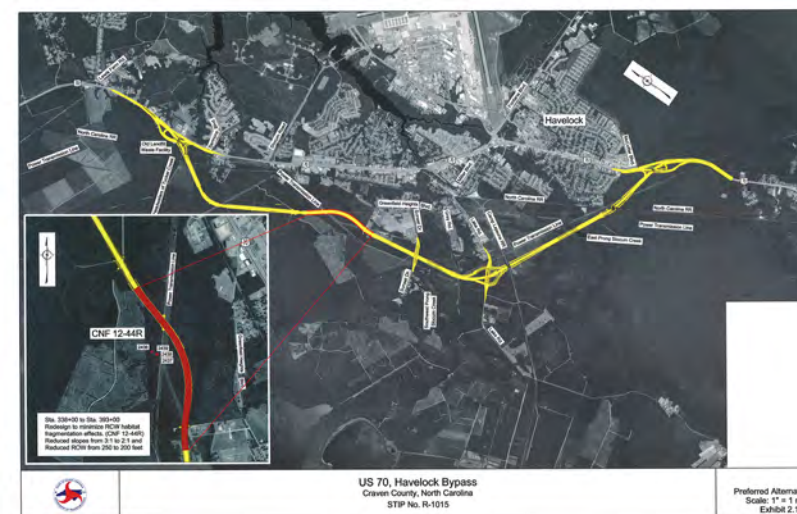
In parallel with NEPA documentation, our team developed enforceable environmental commitments, including seasonal bypass closures to support USFS habitat management goals, and tracked these commitments through final design. Our work maintained project transparency, strengthened stakeholder trust, and minimized permitting risks by addressing key environmental issues early.

Stantec also supported tribal consultation with the Tuscarora Nation and protected significant archaeological sites. We completed a Water Quality Indirect and Cumulative Impact analysis using watershed modeling and land use forecasting, conducted noise modeling using FHWA TNM 2.5, and prepared public hearing materials to support broad-based community engagement and legal defensibility.

TEAM MEMBERS INVOLVED: **A. SACKAROFF, M. MARTIN, T. DEVENS**

**TASK RELEVANCE:**

- ☒ Accelerated NEPA schedule through proactive risk identification, early agency consensus, and continuous issue resolution
- ☒ Accelerated NEPA schedule through proactive risk identification, early agency consensus, and continuous issue resolution
- ☒ Complex coordination with US Forest Service, expediting land transfer and permitting pathways
- ☒ Environmental commitments developed, documented, and tracked through ROD reduce permitting risks
- ☒ Public hearing preparation and engagement strategies that strengthened legal defensibility and minimized controversy
- ☒ Tribal consultation support and preservation of significant archaeological and cultural resources



|                                         |                                            |                                                                                 |                                                                           |                       |
|-----------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------|
| FIRM NAME                               | Stantec Consulting Services Inc.           |                                                                                 | DISCIPLINE(S)*                                                            | Planning, Traffic     |
| PROJECT NAME                            | TXDOT ON-CALL TRAFFIC AND REVENUE SERVICES |                                                                                 | FIRM RESPONSIBILITY (prime or sub?)                                       | Prime                 |
| PROJECT NUMBER                          | N/A                                        | OWNER'S NAME                                                                    | Texas Department of Transportation, Project Finance and Toll Ops Division |                       |
| PROJECT LOCATION                        | Austin, Texas                              |                                                                                 | OWNER'S PROJECT MANAGER                                                   | Julie Rabeaux DeHoyos |
| OWNER'S ADDRESS, PHONE, EMAIL           |                                            | 125 East 11th Street, Austin, TX 78701   512-923-9518   julie.dehoyos@txdot.gov |                                                                           |                       |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 10/91                                      | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                                      |                                                                           | \$35M (~35 years)     |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | Ongoing                                    | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)                   |                                                                           | \$35M (~35 years)     |

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

### Stantec has conducting toll feasibility studies for TxDOT since the mid-1990s.

This included using various MPO models by region converted to the Stantec Toll Diversion Model to develop all levels of toll revenue forecasts (sketch-level, intermediate, and investment grade) to support the feasibility assessment. These analyses resulted in the identification of the Central Texas Turnpike System (CTTS) as approaching a feasible project. Through an iterative process with TxDOT and coordinating with NEPA studies, Stantec's analysis supported the ultimately feasible project. Stantec developed the original traffic and revenue forecasts for the first phase of this project in connection with TxDOT's issuance of its Series 2002 Bonds and associated USDOT's TIFIA loan. The feasibility and financing process necessitated the coordination of local toll authorities, our client TxDOT, USDOT, engineering consultants, and local developers that had commercial interests in the greenfield corridor.

Four elements of the project opened to traffic in phases between November 2006 and May 2009, with actual traffic in excess of forecasted levels. These turnpike elements included: Loop 1 and SH 45 (north of Austin); SH 130; and SH 45 SE (south of Austin). The initial study incorporated results from stated-preference surveys quantifying potential motorists' value of time in a region that had no toll roads. In addition, special generators of commercial and residential developments and distribution centers were estimated based on discussions with local stakeholders and decision makers. Multiple T&R financing studies were completed since supporting either refinancing of debt to take advantage of lower interested rates or financing future revenues for capital improvement projects. The subsequent studies afforded the analysis to replace stated preference values of time with revealed preference values of time, providing a more robust understanding of existing customer profiles and future opportunities as development occurs. The latest investment grade study for financing was completed in 2022 and the team is currently analyzing the opportunity for continued widening of the SH 130 corridor. This corridor was a true greenfield when opened and now development has enveloped the SH 130 facility sparking economic development of both residential and commercial zones, supporting the transportation needs of giant manufacturers of Tesla, Samsung, and many more. The initial estimated future special generators have been replaced with actual development, fortifying our modeling platforms.

Stantec's long-term toll traffic forecasts are developed using a two-tiered modeling framework consisting of TransCAD-based travel demand models maintained by the regional MPOs and a customized, Cube Voyager-based highway assignment model developed by Stantec to estimate traffic diversion along the facilities in response to tolling. The two MPO models maintained by Capital Area Metropolitan Planning Organization (CAMPO) and the Alamo Area Metropolitan Planning Organization (AAMPO) were reviewed and updated for input networks and socioeconomic data before model execution. The trip tables from the regional highway assignment process are used as input to Stantec's toll diversion model. Our team's specialized tools combine the highway networks and trip tables from the two regional models into a single, integrated set of inputs in Cube-compatible format that serve as input to the toll diversion model. The toll diversion model is Stantec's proprietary tool that utilizes a logit-based choice model to partition and assign the total trips between an origin and destination into tolled and non-tolled trips based on parameters like time-savings offered by the toll road, toll costs, and the value of time. This model is capable of modeling toll diversion by vehicle type, occupancy mode, and trip purpose.

The traffic estimates generated by the toll diversion model serve as the basis for revenue estimation along with toll rate and policy assumptions. Over the years Stantec's team periodically updates the analysis accounting for changes that might affect revenues, including economic growth patterns (background events such as the COVID-19 pandemic), highway improvements plans, and alternate toll scenarios. As part of this contract, Stantec also negotiates on TxDOT's behalf regarding P3 delivered infrastructure, specifically segments 5 and 6 of SH 130 that are to the south of the TxDOT CTTS. Our role is to estimate revenue potential under different policy assumptions and create regulations with the agreement to optimize return for TxDOT.

TEAM MEMBERS INVOLVED: P. ESHELMAN, J. YAO, S. TIHAL

#### TASK RELEVANCE:

- ☒ All levels of traffic and revenue (T&R) analysis (sketch, intermediate, investment grade)
- ☒ Stated Preference Surveys
- ☒ Revealed Preference Analysis
- ☒ Traffic Modeling
- ☒ Coordination across many agencies and stakeholders
- ☒ P3 Development and Negotiations

|                                                                                                                       |                                                                  |                                                                                     |                                                   |                                     |                             |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------|-----------------------------|
| FIRM NAME                                                                                                             | Stantec Consulting Services Inc.                                 |                                                                                     | DISCIPLINE(S)*                                    |                                     | Environmental, Road, Bridge |
| PROJECT NAME                                                                                                          | SR5/US-1 LONG KEY BRIDGE OVER LONG KEY CHANNEL<br>BRIDGE #900094 |                                                                                     |                                                   | FIRM RESPONSIBILITY (prime or sub?) | Prime                       |
| PROJECT NUMBER                                                                                                        | 448206-1-22-01                                                   | OWNER'S NAME                                                                        | Florida Department of Transportation - District 6 |                                     |                             |
| PROJECT LOCATION                                                                                                      | Monroe County, Florida                                           |                                                                                     |                                                   | OWNER'S PROJECT MANAGER             | Bao-Ying Wang, PE, CPM      |
| OWNER'S ADDRESS, PHONE, EMAIL                                                                                         |                                                                  | 1000 N. W. 11th Ave., Miami, FL 33172   305-470-5268   baoying.wang@dot.state.fl.us |                                                   |                                     |                             |
| SERVICES COMMENCED BY THIS FIRM (MM/YY)                                                                               | 08/22                                                            | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                                          |                                                   |                                     | \$12.6M                     |
| SERVICES COMPLETED BY THIS FIRM (MM/YY)                                                                               | 08/26                                                            | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)                       |                                                   |                                     | \$4.1M                      |
| Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.) |                                                                  |                                                                                     |                                                   |                                     |                             |

**The Long Key Bridge, also known as the Dante B. Fascell bridge, situated in the Middle Keys, is a 2.3 mile (12,144 feet) long precast segmental box bridge constructed in 1981 which carries State Road (SR) 5/US 1/Overseas Highway (SR 5/US 1) over the Long Key Channel connecting the Lower and Upper Keys.**

SR 5/US 1 is the only principal route into and out of the Florida Keys from the mainland. The Long Key Channel passes between Conch Key to the south and Long Key to the north providing connection between the Atlantic Ocean on the east and the Gulf of Mexico on the west. The purpose of this Project Development & Environment (PD&E) Study (NEPA) was to evaluate bridge replacement alternatives to address bridge deficiencies of the existing Long Key Bridge along SR 5/US 1. The PD&E Study also assesses whether additional travel lanes are warranted and evaluates enhancing overall mobility of the area by maintaining an important regional connection, meeting traffic demand, and enhancing multimodal connectivity. Proposed improvements include a bridge on new alignment shifted to the west of the existing bridge consisting of two 12-foot lanes with 10-foot shoulders and one 12-foot-wide shared use path. Additional improvements include FKOHT parking access and ingress/egress reconfiguration and stormwater management facilities.

Stantec developed bridge replacement alternatives along with the no-build and a preferred alternative was selected. The PD&E Study integrated multiple scope elements including: structure alternatives development, roadway, traffic, drainage in coastal environment, extensive benthic resource survey, historic and cultural resources including Section 106 and Section 4(f), Section 4(f) recreational, 30" water main relocation on bridge which supplies potable water to the Keys, demolition and constructability analysis, traffic control planning, and connectivity to the Overseas Heritage Trail.

Project includes:

- Florida Keys National Marine Sanctuary
- Overseas Heritage Trail Historic Bridge
- Overseas Heritage Trail, Trailheads, and Parking
- Seagrass and Corals
- Existing Seawall
- Section 106 and Section 4(f) Resources
- Florida Keys Electric Cooperative Overhead Electric Crossing Long Key Channel
- Florida Keys Aqueduct Authority 30" Water Main & Bridge Mounted Utility Conduit
- Possible Sea Turtle Nesting Area
- Environmental Permitting and Mitigation
- Limited Right of Way
- Drainage Constraints
- Demolition//Constructability and Temporary Traffic Control
- Multi agency coordination – Federal, State, Local

TEAM MEMBERS INVOLVED: **B. BEAM, M. SONI**

#### TASK RELEVANCE:

- ☒ Environmental Assessment to meet NEPA
- ☒ Bridge replacement alternatives in environmentally sensitive envelope and constrained corridor with limited ROW
- ☒ Facilitated multi-agency coordination at federal, state, and local levels and held two Agency Environmental Forums to gain concurrence
- ☒ Stakeholder and public engagement coordination through virtual and in-person public and small group meetings
- ☒ Developed preferred alternative to avoid rework in design and minimize need for reevaluation

*"There are many challenges and potential obstacles ahead for LDCA and the overlapping activities on design and RFP development. I am confident that Beth and the team will tackle them all and deliver the project successfully."*

– Bao-Ying Wang, PE, CPM, Project Manager



|                                         |                                                                                           |                                                               |                                     |               |
|-----------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|---------------|
| FIRM NAME                               | G.E.C., Inc.                                                                              |                                                               | DISCIPLINE(S)*                      | Environmental |
| PROJECT NAME                            | PORT OF NEW ORLEANS LOUISIANA INTERNATIONAL TERMINAL (LIT), ENVIRONMENTAL ASSESSMENT (EA) |                                                               | FIRM RESPONSIBILITY (prime or sub?) | Prime         |
| PROJECT NUMBER                          | 0028.8125001.001                                                                          | OWNER'S NAME                                                  | Port of New Orleans (PONO)          |               |
| PROJECT LOCATION                        | Violet, Louisiana                                                                         |                                                               | OWNER'S PROJECT MANAGER             | Chris Gilmore |
| OWNER'S ADDRESS, PHONE, EMAIL           | 1350 Port of New Orleans Place   504.528.3305   chris.gilmore@portnola.com                |                                                               |                                     |               |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 11/22                                                                                     | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                     | \$2,045       |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | Ongoing                                                                                   | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                     | \$2,045       |

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

**GEC is the prime consultant leading the Environmental Assessment (EA) for the Louisiana International Terminal (LIT). This work positions GEC to understand the same geography, same environmental systems, same agencies, and same stakeholders that define the St. Bernard LIT Corridor project.**

GEC is already working with site specific data, hydrology, wetlands science, freight projections, and socioeconomic conditions that directly inform the proposed roadway EIS. No other firm brings this level of current, active, and directly adjacent NEPA experience in St. Bernard Parish.

GEC is serving as the prime consultant in developing the EA for the new \$1.8 billion LIT project in Violet, LA on behalf of the Port of New Orleans. The EA was provided to the Army Corps of Engineers for use in their permit decision. The EA is currently under review.

GEC is preparing a detailed impact analysis for the proposed terminal in accordance with NEPA and is conducting a range of studies addressing concerns raised by the public. GEC is responsible for the overall development of the EA to secure necessary permits and permissions to construct the proposed LIT in St. Bernard Parish. These tasks include:

- Reviewing all technical studies completed and conducting data gap analysis to identify data needs and gaps
- Developing the EA report, including sections such as proposed action, purpose and need, existing conditions, impacts analysis, and cumulative impacts
- Review and synthesis of engineering studies into impact analysis
- Completing environmental surveys in support of impact analysis
- Modeling of ecological, hydrologic, social vulnerability, and socioeconomic conditions and impacts
- Preparation of technical analyses and reports
- Compilation, review, revision and/or preparation of environmental impact assessments and related documentation regarding relevant resources including geology and soils; groundwater resources; water quality; hydrology; floodplains; wetlands; air quality; noise and light impacts; wildlife; aquatic resources; T&E species; socioeconomics such as population, property values, tax revenue, housing, public services, and public safety; cultural resources; land use; recreation; aesthetics; navigation; and land-based transportation
- Assistance with alternatives analysis and review of conceptual designs
- Development of analysis and documentation related to compliance with laws, including the National Environmental Policy Act, Clean Water Act, Magnuson-Stevens Fishery Conservation and Management Act, Endangered Species Act, Clean Air Act, Rivers and Harbors Act, Coastal Zone Management Act, National Historic Preservation Act, and Floodplain Management Executive Order 11988
- Public and stakeholder involvement activities, including integration of relevant public input into impact assessments and technical reports.

TEAM MEMBERS INVOLVED: **N. FORSYTH, S. SULLIVAN, B. MCCOY, B. BERNARD**

#### TASK RELEVANCE:

- ☒ Port of New Orleans project
- ☒ NEPA Documentation
- ☒ Environmental Assessment
- ☒ Located in St. Bernard Parish
- ☒ LIT Facility

|                                         |                                                                                                        |                                                               |                                                     |                         |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------|-------------------------|
| FIRM NAME                               | G.E.C., Inc.                                                                                           |                                                               | DISCIPLINE(S)*                                      | Environmental           |
| PROJECT NAME                            | THIRD-PARTY EIS FOR THE MID-BARATARIA SEDIMENT DIVERSION                                               |                                                               | FIRM RESPONSIBILITY (prime or sub?)                 | Prime                   |
| PROJECT NUMBER                          | LaGov No. 4400010455                                                                                   | OWNER'S NAME                                                  | Coastal Protection and Restoration Authority (CPRA) |                         |
| PROJECT LOCATION                        | Myrtle Grove, Plaquemines Parish, Louisiana                                                            |                                                               | OWNER'S PROJECT MANAGER                             | Brad Barth & Liz Davoli |
| OWNER'S ADDRESS, PHONE, EMAIL           | 150 Terrace Avenue, Baton Rouge, LA 70802   225.342.4553   brad.barth@la.gov & elizabeth.davoli@la.gov |                                                               |                                                     |                         |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 02/17                                                                                                  | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                                     | \$7,387                 |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | 12/22                                                                                                  | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                                     | \$7,387                 |

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

**The project required complex environmental analysis, intensive federal coordination, robust public involvement, hydrologic & coastal modeling, and multi-disciplinary preliminary engineering.**

GEC's delivery of the EIS demonstrates direct, hands-on expertise with every NEPA, environmental, engineering, and coordination component required for the St. Bernard LIT Corridor.

The Mid-Barataria Sediment Diversion (MBSD) was one of 33 conceptual projects identified by CPRA for the first implementation period (2012-2031) in Louisiana's Comprehensive Master Plan for a Sustainable Coast (2012 Master Plan). Through the diversion project, CPRA proposed to restore and sustain marshes by diverting sediment and nutrient-rich waters from the Mississippi River into the Barataria Basin. The primary feature of the MBSD was a gated diversion structure from the west bank of the Mississippi River levee at River Mile 60.7, to the Barataria Basin. Coincidental to the main structure are replacement of LA Hwy 23 with a fixed-span bridge over the conveyance channel, modification of area rail lines, and associated utility and pipeline relocations and protection. This project was approved for funding in the Deepwater Horizon (DWH) Oil Spill Final Programmatic Damage Assessment and Restoration Plan and Final Programmatic EIS (PDARP/PEIS) published by the DWH Natural Resource Trustees.

CPRA applied for a U.S. Army Corps of Engineers (USACE) permit pursuant to Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act, and permissions under 33 U.S.C. Section 408. GEC prepared the third-party EIS to inform the decision of the New Orleans District USACE (USACE-MVN) relative to issuance of those permits and permissions pursuant to the National Environmental Policy Act (NEPA) of 1969, as amended (42 U.S.C. 4321 et seq.) and the Council on Environmental Quality NEPA regulations (40 CFR Parts 1500-1 508). The third-party EIS assessed the potential negative and beneficial impacts associated with the construction and operation of the project proposed by the Louisiana CPRA and was consistent with the DWH PDARP/PEIS and associated Record of Decision. The USACE-MVN was the lead federal agency preparing the EIS and directing GEC, filling the role of third-party contractor. GEC had 12 team members to assist in this NEPA effort. GEC was the Prime contractor and overall project management firm, primarily responsible for NEPA documentation, environmental site assessments, natural resources, socioeconomics, data collection analyses and management, hydrologic and coastal modeling, and restoration planning. GEC had shared responsibilities with its subcontractors.

This complex and highly controversial project was the first of its kind to be considered subject to the requirements set forth in Title 41 of the Fixing America's Surface Transportation Act (FAST-41) (42 USC §4370m et seq.) and added to the Permitting Dashboard at the request of a non-federal entity (CPRA) and the first project included on the Permitting Dashboard for which USACE is the lead federal agency. Additionally, the project included seven cooperating agencies, 10 commenting agencies, and 11 consulting tribes for the NEPA process and 10 cooperating agencies, four participating agencies, and three participating tribes for the FAST-41 process. This EIS was closely coordinated with NOAA/NMFS regarding compliance with the Endangered Species Act (ESA), Marine Mammal Protection Act (MMPA), Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), Oil Pollution Act (OPA), and Natural Resource Damage Assessment (NRDA) restoration planning.

TEAM MEMBERS INVOLVED: **N. FORSYTH, B. MCCOY, B. BERNARD**

**TASK RELEVANCE:**

- ☒ Environmental Impact Statement
- ☒ Multiple Cooperating Agencies
- ☒ USACE Permitting
- ☒ Section 404
- ☒ NEPA Documentation
- ☒ Compliance with MMPA, ESA, & MSFCMA

|                                         |                                                                                      |                                                               |                                                        |                       |
|-----------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|-----------------------|
| FIRM NAME                               | G.E.C., Inc.                                                                         |                                                               | DISCIPLINE(S)*                                         | Bridge, Environmental |
| PROJECT NAME                            | LEEVILLE TO GOLDEN MEADOW PHASE II, LA 1 RELOCATION                                  |                                                               | FIRM RESPONSIBILITY (prime or sub?)                    | Sub                   |
| PROJECT NUMBER                          | H.011207 & H.011239 & H.004540                                                       | OWNER'S NAME                                                  | Louisiana Department of Transportation and Development |                       |
| PROJECT LOCATION                        | Lafourche Parish, Louisiana                                                          |                                                               | OWNER'S PROJECT MANAGER                                | Ryan Morvant, PE      |
| OWNER'S ADDRESS, PHONE, EMAIL           | 1201 Capital Access Road, Baton Rouge, LA 70804   225.379.1067   ryan.morvant@la.gov |                                                               |                                                        |                       |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 04/13                                                                                | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                                        | \$3,340               |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | 07/21                                                                                | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                                        | \$3,340               |

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

**This project involved coastal transportation infrastructure, elevated structures, sensitive wetland environments, and strict LADOTD design and permitting requirements. This demonstrates GEC's experience designing long, elevated structures in similar environmental and geotechnical conditions to the proposed corridor. This project demonstrates our experience with maritime and soft soil foundation design in LA's coastal parishes.**

GEC designed the widening of an existing bridge and the construction of a new bridge totaling 6,500 feet in length. This project involved the design of approximately nine miles of elevated roadway and approaches from Leeville to Golden Meadow (LA 3235). The project design incorporates "top-down" construction methods to protect sensitive wetlands and marshes. A phased construction approach allows for segmented project construction as funding becomes available.

The variably widened portion of the bridge (Phase 2E, 1850 ft) consists of prestressed concrete Type III girder spans supported on pile bents. GEC engineers performed an AASHTO LRFR rating on the existing girders and pile bents to assess the feasibility of widening in accordance with LADOTD bridge widening guidelines. Once widening was deemed feasible, and final design completed, GEC performed an as-designed rating on the entire widened structure.

The new bridge (Phase 2A, 4666 ft) passes over the relocated Bollinger Navigational Canal and provides a minimum of 55 ft of vertical clearance. It was designed using the then newly introduced precast pre-stressed Louisiana girders (LG-36 & LG-78) which were supported on both pile and column bents. The column bents on either side of the Bollinger Canal were designed to withstand vessel impact loads. Navigational gauges were provided at these bents.

All bridge design was performed in accordance with the AASHTO LRFD Bridge Design Specifications, and the LADOTD Bridge Design and Evaluation Manual. Traffic signs were designed in accordance with the AASHTO Standard Specification for Structural Supports for Highway Signs, Luminaires, and Traffic Signals.

TEAM MEMBERS INVOLVED: **V. VENKATA**

#### TASK RELEVANCE:

- ☒ LADOTD Project
- ☒ Elevated Roadway and Approaches
- ☒ Sensitive Wetlands and Marshes
- ☒ Improved Access
- ☒ New Bridge and Roadway
- ☒ AASHTO & LADOTD Standards

|                                                                                                                       |                                  |                                                                                                  |                     |                                     |                      |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|---------------------|-------------------------------------|----------------------|
| FIRM NAME                                                                                                             | Eustis Engineering LLC           |                                                                                                  | DISCIPLINE(S)*      |                                     | Geotech, Other (CMT) |
| PROJECT NAME                                                                                                          | LOUISIANA INTERNATIONAL TERMINAL |                                                                                                  |                     | FIRM RESPONSIBILITY (prime or sub?) | Prime                |
| PROJECT NUMBER                                                                                                        | EE 24618.00-.12                  | OWNER'S NAME                                                                                     | Port of New Orleans |                                     |                      |
| PROJECT LOCATION                                                                                                      | Violet, Louisiana                |                                                                                                  |                     | OWNER'S PROJECT MANAGER             | Anthony Evett, PE    |
| OWNER'S ADDRESS, PHONE, EMAIL                                                                                         |                                  | 1350 Port of New Orleans Place, New Orleans, Louisiana, 504-528-3305, Anthony.evett@portnola.com |                     |                                     |                      |
| SERVICES COMMENCED BY THIS FIRM (MM/YY)                                                                               | 06/21                            | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                                                       |                     |                                     | N/A                  |
| SERVICES COMPLETED BY THIS FIRM (MM/YY)                                                                               | Ongoing                          | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)                                    |                     |                                     | \$3,644              |
| Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.) |                                  |                                                                                                  |                     |                                     |                      |

### **Eustis has been actively involved in the Port of New Orleans - Louisiana International Terminal project since 2021.**

Eustis Engineering's involvement in the project includes a comprehensive range of geotechnical services. These services are essential for understanding the subsurface conditions and providing the necessary data for the design and construction of the terminal's infrastructure. The scope of work involves:

1. **Geotechnical Exploration:** Eustis Engineering conducted extensive geotechnical explorations to gather data on the soil and subsurface conditions at the project site. This includes performing cone penetration tests (CPTs) and soil borings to various depths to assess the soil's properties and behavior under different loading conditions. These explorations occurred over land and water.
2. **Data Analysis and Reporting:** The data collected from the geotechnical explorations were meticulously analyzed to develop a comprehensive understanding of the site's subsurface conditions. Eustis Engineering prepared detailed geotechnical data reports and design reports including recommendations for foundation design, soil stabilization, and other critical aspects of the project.
3. **Load Testing and Monitoring:** Eustis Engineering conducted static and dynamic load tests to evaluate the performance of the proposed foundation systems. This includes monitoring the behavior of the soil and foundation elements under different loading conditions to ensure they meet the project's design criteria. This includes test piles instrumented with strain gauges to assess load distribution.
4. **Test Embankment Design, Instrumentation, and Monitoring.** Our geotechnical instrumentation services are essential for understanding the subsurface conditions and providing the necessary data for the design and construction of the terminal's infrastructure. Types of instrumentation and their use include Piezometers (to assess groundwater conditions and their impact on the soil's behavior, Settlement Plates (to observe the magnitude and rate of settlement to calibrate theoretical models), Inclinometers (to measure the lateral movement of the soil to detect potential slope instability or lateral soil movement), Extensometers (to measure the deformation of the soil to predict performance of the foundation systems), and Data Loggers employed to allow for real time monitoring and analysis of the selected instruments.

Eustis Engineering's contributions to the Port of New Orleans - Louisiana International Terminal project also include construction materials testing. This includes testing of soils used as embankment fill for the test surcharges and on-site observations of the clearing, stripping, and site preparation activities at the test embankment sites. In addition, our CMT technicians log the installation of the driven concrete piles for the pile load testing program.

TEAM MEMBERS INVOLVED: **T. RICHARDS, R. RODRIGUE, L. ROME, P. THURMOND**

#### **TASK RELEVANCE:**

- ☒ Coordination with PortNOLA, LADOTD, USACE and other agencies
- ☒ Geotechnical Exploration and Laboratory Testing
- ☒ Levee District/USACE Permit for Exploration
- ☒ Instrumented Test Sections
- ☒ Dynamic Pile Testing and Interpretation
- ☒ DOTD and AASHTO Standards
- ☒ Alternative Screening

|                                                                                                                       |                             |                                                                                             |                                                               |                                     |                   |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|-------------------|
| FIRM NAME                                                                                                             | Eustis Engineering LLC      |                                                                                             | DISCIPLINE(S)*                                                |                                     | Geotech           |
| PROJECT NAME                                                                                                          | BAYOU BARATARIA BRIDGE      |                                                                                             |                                                               | FIRM RESPONSIBILITY (prime or sub?) | Prime             |
| PROJECT NUMBER                                                                                                        | H.004420.5/H.015028.6       | OWNER'S NAME                                                                                | Louisiana Department of Transportation and Development        |                                     |                   |
| PROJECT LOCATION                                                                                                      | Jefferson Parish, Louisiana |                                                                                             |                                                               | OWNER'S PROJECT MANAGER             | Kristy Smith      |
| OWNER'S ADDRESS, PHONE, EMAIL                                                                                         |                             | 5080 Florida Boulevard, Baton Rouge, Louisiana, 70806   225-929-9133   kristy.smith2@la.gov |                                                               |                                     |                   |
| SERVICES COMMENCED BY THIS FIRM (MM/YY)                                                                               |                             | 001/21                                                                                      | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                     | N/A               |
| SERVICES COMPLETED BY THIS FIRM (MM/YY)                                                                               |                             | Ongoing                                                                                     | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                     | \$1,107 (to date) |
| Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.) |                             |                                                                                             |                                                               |                                     |                   |

**The existing Bayou Barataria Bridge is being replaced with a new structure that will be 963 feet long and supported by 13 pile bents comprising square, precast concrete piles.**

An unequal arm swing span, 183 feet long, is proposed between Bents 6 and 8 to provide a horizontal channel clearance of 85 feet within Bayou Barataria. Mill and overlay of existing pavements along portions of LA Highways 45 and 3257 are planned. Portions of these highways will also be raised and widened, and approximately one mile of LA Highway 45 will be shifted 30 feet to the east into the marsh.

For the design of this project (H.004420.5), Eustis Engineering L.L.C. obtained the relevant Coastal Use Permits for the marsh as well as the roadway and marine locations. We also obtained necessary land access permissions. Drilling comprised 24 soil borings. Of these borings, 20 were drilled over marsh or water to depths ranging from 100 to 200 feet below the mudline. The remaining four borings were drilled to depths of 20 feet through existing pavements to evaluate proposed drainage structures and provide recommendations for mill and overlay of existing pavement sections to be incorporated into the final design. Geotechnical design analyses included estimates of vertical pile load capacity, effects of scour on pile capacity, soil-pile interaction to evaluate lateral loads, and pile group settlement. Additional analyses were performed to evaluate ground settlement, settlement surcharge/remediation programs, retaining walls, slope stability, and pavement design. Deliverables included a geotechnical data report, a geotechnical design report, and an electronic boring log data file.

For the construction phase of this project (H.015028.6), Eustis Engineering is completing engineering during construction services as a prime to the LaDOTD and is also providing selected construction materials testing services as a subcontractor. We have completed a Wave Equation Analysis of Piles (WEAP) drivability study and are performing dynamic pile testing on the monitor piles and selected job piles. We have also developed and implemented a vibration monitoring plan and have reviewed surcharge operations to date. Testing services have included logging the installation of driven square, precast concrete piles.

TEAM MEMBERS INVOLVED: T. RICHARDS, R. RODRIGUE, L. ROME, P. THURMOND

**TASK RELEVANCE:**

- ☒ Marsh, Marine and Land-Based Geotechnical Exploration
- ☒ Coastal Use Permit for Exploration
- ☒ Geotechnical Laboratory Testing
- ☒ Settlement Mitigation Recommendations
- ☒ Dynamic Pile Testing and Interpretation
- ☒ DOTD and AASHTO Standards
- ☒ Geotechnical Data Report and Interpretation Report
- ☒ Roadway, Approaches and Bridge Design

|                                                                                                                       |                              |                                                                                     |                                                        |                                     |               |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------|---------------|
| FIRM NAME                                                                                                             | Forte and Tablada, Inc.      |                                                                                     | DISCIPLINE(S)*                                         |                                     | Survey        |
| PROJECT NAME                                                                                                          | CALCASIEU RIVER BRIDGE (HBI) |                                                                                     |                                                        | FIRM RESPONSIBILITY (prime or sub?) | Prime         |
| PROJECT NUMBER                                                                                                        | H.003931                     | OWNER'S NAME                                                                        | Louisiana Department of Transportation and Development |                                     |               |
| PROJECT LOCATION                                                                                                      | Calcasieu, Louisiana         |                                                                                     |                                                        | OWNER'S PROJECT MANAGER             | Barrett Smith |
| OWNER'S ADDRESS, PHONE, EMAIL                                                                                         |                              | 1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1292, Barrett.Smith@la.gov |                                                        |                                     |               |
| SERVICES COMMENCED BY THIS FIRM (MM/YY)                                                                               | 05/21                        | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                                          |                                                        |                                     | \$4,282       |
| SERVICES COMPLETED BY THIS FIRM (MM/YY)                                                                               | 01/23                        | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)                       |                                                        |                                     | \$4,282       |
| Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.) |                              |                                                                                     |                                                        |                                     |               |

**Forte and Tablada completed this project under multiple task orders for LADOTD as one of the largest topographic survey efforts in Louisiana, supporting a major P3 delivery with an accelerated design procurement already underway. The approximately seven mile corridor included active interstate facilities, major utility corridors, suburban roadways, industrial areas, wetlands and swamp environments, and the Calcasieu River Ship Channel.**

The scope required establishment of primary horizontal and vertical control, including deep rod monuments meeting National Geodetic Survey standards, followed by a comprehensive topographic survey performed in accordance with LADOTD On System Survey Standards. Corridor wide LiDAR was collected and processed, with point clouds converted into design ready digital models (DTM and DEM) and feature data extracted to support engineering and bridge design. The project also included multibeam hydrographic surveying of navigable waterways and canals within the limits.

Due to schedule demands, Forte and Tablada staffed multiple concurrent crews—up to seven working simultaneously—over more than a year to maintain phased deliveries. Survey data was submitted in accordance with LADOTD standards and accepted with minimal review comments, demonstrating the firm's ability to execute large scale, schedule critical corridor surveys.

TEAM MEMBERS INVOLVED: **B. HOLLEMAN, B. CAMPBELL**

#### TASK RELEVANCE:

- ☒ DOTD Compliant survey and data collection
- ☒ LiDAR derived surface modeling
- ☒ Corridor scale mapping in a complex environment
- ☒ Schedule driven DOTD project
- ☒ Hydrographic and multibeam surveying



|                                         |                                                                                        |                                                               |                                                     |                                                   |
|-----------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------|
| FIRM NAME                               | <b>Forte and Tablada, Inc.</b>                                                         |                                                               | DISCIPLINE(S)*                                      | <b>Survey</b>                                     |
| PROJECT NAME                            | <b>MID BARATARIA SEDIMENT DIVERSION</b>                                                |                                                               |                                                     | FIRM RESPONSIBILITY (prime or sub?)<br><b>Sub</b> |
| PROJECT NUMBER                          | <b>BA-153</b>                                                                          | OWNER'S NAME                                                  | <b>Coastal Protection and Restoration Authority</b> |                                                   |
| PROJECT LOCATION                        | <b>Plaquemines Parish, Louisiana</b>                                                   |                                                               |                                                     | OWNER'S PROJECT MANAGER<br><b>Bradley Barth</b>   |
| OWNER'S ADDRESS, PHONE, EMAIL           | <b>150 Terrace Avenue, Baton Rouge, LA 70802   225-342-3968   bradley.barth@la.gov</b> |                                                               |                                                     |                                                   |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | <b>08/23</b>                                                                           | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                                     | <b>N/A</b>                                        |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | <b>01/26</b>                                                                           | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                                     | <b>\$1,048</b>                                    |

*Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)*

### **Forte and Tablada was the professional land surveying subconsultant under HNTB for the Quality Assurance of the Mid Barataria Sediment Diversion project.**

The goal of the scope of work is to provide quality assurance on 10% of the project elements. The professional land surveying component of the quality assurance is divided into two main areas: UAV data collection and conventional surveying.

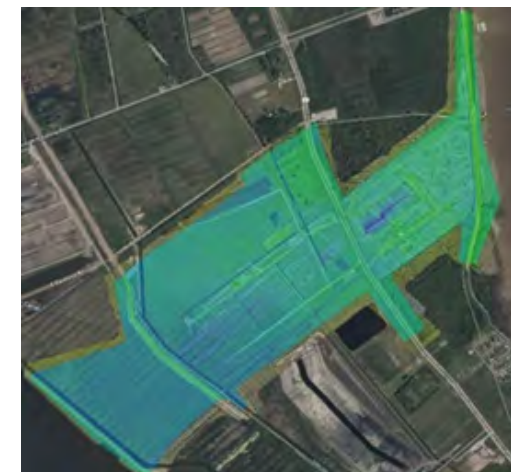
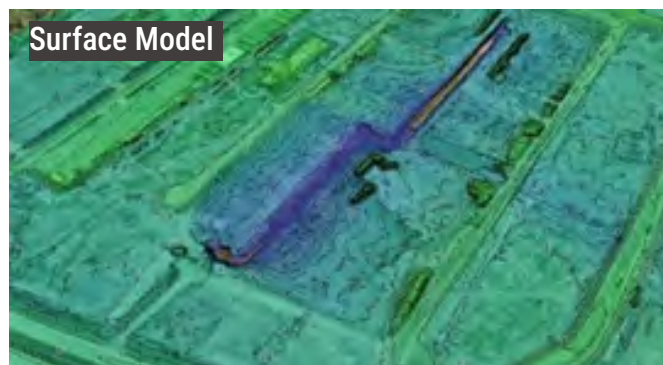
The UAV data collection portion involves bi-weekly UAV flights to capture LiDAR data and monthly flights for orthomosaic aerial imagery. Forte and Tablada developed surface models from LiDAR data for each bi-weekly flight. The collected and developed data is then provided to HNTB and the project team for review and comparison against the design. If any project elements are found to exceed the positional tolerance, they will be further examined under the conventional surveying component. Conventional surveying includes RTK GPS observations, total station measurements, and hydrographic surveys to verify the position of elements identified by the UAV data or QA inspectors as requiring additional scrutiny.

To streamline the management and sharing of data, the project utilizes the online platform Propeller for aerial imagery and digital elevation models (DEMs) generated from UAV LiDAR data. Propeller serves as the primary method for delivering these datasets, offering a cloud-based Digital Twin where the team can visualize, analyze, and collaborate on aerial orthomosaics and DEMs. The platform allows for comparison of existing conditions with design data, enabling faster reviews and more efficient decision-making. It also provides tools for measuring distances, calculating volumes, and monitoring progress, which are vital for both verifying site conditions and tracking contractor progress. Propeller's interactive features further enhance project efficiency by allowing team members to markup areas of interest, track discrepancies, and facilitate real-time collaboration.

TEAM MEMBERS INVOLVED: **B. HOLLEMAN, B. CAMPBELL**

#### **TASK RELEVANCE:**

- ☒ DOTD Compliant survey and data collection
- ☒ LiDAR data collection and surface model development
- ☒ UAV/remote sensing methodology
- ☒ Data management and digital collaboration
- ☒ Experience in environmentally sensitive/coastal terrain



|                                                                                                                       |                                                                                        |                                                               |                                                        |                                     |                  |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|-------------------------------------|------------------|
| FIRM NAME                                                                                                             | Forte and Tablada, Inc.                                                                |                                                               | DISCIPLINE(S)*                                         |                                     | Survey           |
| PROJECT NAME                                                                                                          | NELSON ROAD EXTENSION & CONTRABAND BAYOU BRIDGE                                        |                                                               |                                                        | FIRM RESPONSIBILITY (prime or sub?) | Sub              |
| PROJECT NUMBER                                                                                                        | H.005967                                                                               | OWNER'S NAME                                                  | Louisiana Department of Transportation and Development |                                     |                  |
| PROJECT LOCATION                                                                                                      | Lake Charles, Louisiana                                                                |                                                               |                                                        | OWNER'S PROJECT MANAGER             | Tim Nickel, P.E. |
| OWNER'S ADDRESS, PHONE, EMAIL                                                                                         | 1201 Capitol Access Road, Baton Rouge, LA 70802   225-379-1292   Timothy.Nickel@la.gov |                                                               |                                                        |                                     |                  |
| SERVICES COMMENCED BY THIS FIRM (MM/YY)                                                                               | 10/17                                                                                  | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                                        |                                     | N/A              |
| SERVICES COMPLETED BY THIS FIRM (MM/YY)                                                                               | 01/18                                                                                  | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                                        |                                     | \$146            |
| Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.) |                                                                                        |                                                               |                                                        |                                     |                  |

**Forte and Tablada provided professional surveying and geospatial services for Stantec in support of the Nelson Road Extension and Contraband Bayou Bridge Project, a major transportation improvement creating a new roadway corridor in Calcasieu Parish.**

The project extends Nelson Road, constructs a new bridge over Contraband Bayou, and establishes a critical connection between south Lake Charles, downtown, and the Port of Lake Charles.

Survey services were performed in accordance with Louisiana DOTD standards and supported early design and construction activities for a corridor that did not previously exist. The project required coordination with Stantec and LADOTD due to constrained access, proximity to waterways, ongoing traffic, and utility and rail infrastructure associated with port operations. Survey deliverables were developed to support phased project advancement under schedule driven conditions.

This project demonstrates Forte and Tablada's long standing working relationship with Stantec and the firm's ability to support new alignment transportation corridors, similar in nature to the St. Bernard LIT Connector, where early, accurate survey data is critical to advancing planning, environmental, and preliminary engineering efforts.

**TASK RELEVANCE:**

- ☒ New roadway corridor with new bridge construction
- ☒ DOTD Compliant survey, coordination and data collection
- ☒ Port adjacent infrastructure conditions
- ☒ Complex survey to support bridge
- ☒ Long-term working relationship with Stantec
- ☒ A new corridor project
- ☒ In accordance with LADOTD standards



|                                         |                                                                                                     |                                                               |                                     |                |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|----------------|
| FIRM NAME                               | Gulf South Research Corporation                                                                     |                                                               | DISCIPLINE(S)*                      | Environmental  |
| PROJECT NAME                            | MISSISSIPPI RIVER BRIDGE SOUTH: LA1 TO LA30 CONNECTOR                                               |                                                               | FIRM RESPONSIBILITY (prime or sub?) | Sub            |
| PROJECT NUMBER                          | 80883001                                                                                            | OWNER'S NAME                                                  | Atlas Technical Consultants LLC     |                |
| PROJECT LOCATION                        | Iberville Parish, Louisiana                                                                         |                                                               | OWNER'S PROJECT MANAGER             | Anna Choudhuri |
| OWNER'S ADDRESS, PHONE, EMAIL           | 8440 Jefferson Hwy, Suite 400, Baton Rouge, LA 70809   877-215-4321   ananya.choudhuri@oneatlas.com |                                                               |                                     |                |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 06/24                                                                                               | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                     | \$413          |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | Ongoing                                                                                             | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                     | \$413          |

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

**GSRC was contracted by Atlas Technical Consultants, LLC to conduct a terrestrial cultural resources investigation for three proposed bridge crossings alignments for the Mississippi River Bridge (MRB) South: LA1 to LA30 Connector in Iberville Parish, Louisiana.**

The total Area of Potential Effect (APE) for the terrestrial survey was 1,716 acres. A visual APE for standing structures was set at a 0.5-mile buffer around the bridges alignments and approaches. Prior to initiation of fieldwork, background and archival research were conducted. Archaeological research conducted within the area consists of academic investigations and contract archaeology. Thirty-one previously conducted archaeological investigations are on file with the Louisiana Division of Archaeology (LADOA) within 1.6 kilometers (km) (1 mile [mi]) of the survey area, twenty of which overlap with the current APE). Of the 52 archaeological sites within a 1-mi radius, one prehistoric site, seven historic sites, and three multicomponent sites are within the APE. Thirty-three previously recorded aboveground resources and four historic properties listed on the National Register of Historic Places (NRHP) (Bagatelle Plantation, Towles-Musso House, Lucky Plantation House, and Bayou Paul Colored School) have been recorded in a 1-mi radius of the project area. Of those aboveground resources, two NRHP-listed properties and eight previously recorded Louisiana Historic Standing Structures are within the 0.5-mi visual APE.

The Phase I terrestrial survey of the MRB South alignments were conducted during multiple field sessions from July 9, 2024 to February 27, 2025, and consisted of a pedestrian survey as well as the excavation of shovel test pits (STPs) at 30-meter (m) intervals across all the alignments. A total of 1,716.4 acres were surveyed for the project, divided across three proposed alternate alignments with a total of 4,204 STPs excavated out of 7,034 pre-plotted STPs. Archaeological resources recorded during the terrestrial surveys included revisiting and updating three previously recorded archaeological sites, recording seven new archaeological sites, and recording 14 isolated occurrences (IO-1 through IO-14). In addition, eight archaeological sites were located within areas that were previously surveyed for archaeological resources. During the aboveground survey, a total of 87 locations that fell within the visual APE of the MRB South project corridor were surveyed and evaluated. The survey included two NRHP-listed properties (Bayou Paul Colored School and Lucky Plantation House) and eight previously recorded Louisiana Historic Standing Structures. A total of 77 structures were newly recorded. The most common newly recorded styles and forms were Minimal Traditional (21), Wood Frame Vernacular (19), Ranch (19) and Shotgun (4). Such styles and forms were reflective from the Depression era (1929-1939) through the middle twentieth century; however, some resources that date to the early 1900s were not recorded by previous surveys. Newly recorded less-representative styles and forms include cemeteries (2), industrial (2), miscellaneous styles/forms (6), and no particular style/form (4). GSRC produced the technical report, which outlined the results of the survey and recommendations for all resources found. The report also integrated the results of the submerged survey, which was conducted by another firm contracted by Atlas.

TEAM MEMBERS INVOLVED: **J. LINDEMUTH**

**TASK RELEVANCE:**

- ☒ Extensive linear corridors
- ☒ 1,716-acre APE with 4,204 STPs
- ☒ Terrestrial archaeological survey
- ☒ Architectural resources survey
- ☒ Re-visits/updates to records for multiple recorded sites
- ☒ Recorded resources/coordination



|                                                                                                                       |                                                                                             |                                                                                              |                                                               |                                     |                  |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|------------------|
| FIRM NAME                                                                                                             | Gulf South Research Corporation                                                             |                                                                                              | DISCIPLINE(S)*                                                |                                     | Environmental    |
| PROJECT NAME                                                                                                          | STRATEGIC BIOFUELS EA FOR NEW CONSTRUCTION AND OPERATION OF THE LA GREEN FUELS BIO-REFINERY |                                                                                              |                                                               | FIRM RESPONSIBILITY (prime or sub?) | Prime            |
| PROJECT NUMBER                                                                                                        | Signed letter contract                                                                      | OWNER'S NAME                                                                                 | Strategic Biofuels, LLC                                       |                                     |                  |
| PROJECT LOCATION                                                                                                      | Caldwell Parish, Louisiana                                                                  |                                                                                              |                                                               | OWNER'S PROJECT MANAGER             | Paul Oesterreich |
| OWNER'S ADDRESS, PHONE, EMAIL                                                                                         |                                                                                             | 303 Wall Street, Columbia, LA 71418   (314) 250-7157   pauloesterreich@strategicbiofuels.net |                                                               |                                     |                  |
| SERVICES COMMENCED BY THIS FIRM (MM/YY)                                                                               |                                                                                             | 03/24                                                                                        | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                     | \$35             |
| SERVICES COMPLETED BY THIS FIRM (MM/YY)                                                                               |                                                                                             | Ongoing                                                                                      | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                     | \$35             |
| Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.) |                                                                                             |                                                                                              |                                                               |                                     |                  |

**GSRC was contracted by Strategic Biofuels (Strategic), LLC to prepare an Environmental Assessment (EA) for the construction, operation, and maintenance of the proposed Louisiana Green Fuels (LGF) refinery, including one natural gas pipeline right-of-way (ROW), two carbon dioxide pipeline ROWs, and two injection well pads.**

The project area is approximately 420 acres located in Caldwell Parish, Louisiana. As part of the EA process, GSRC was responsible for conducting wetland surveys on six individual tracts of land that comprise the refinery facility site as well as the natural gas pipeline ROW, carbon dioxide pipeline ROWs, and well pads. GSRC was responsible for coordinating with the U.S. Army Corps of Engineers (USACE) to obtain a Preliminary Jurisdiction Determination for four of the tracts of land that comprise the refinery facility site. GSRC also conducted vegetation and protected species surveys. There is one endangered species (Northern long-eared bat), one proposed endangered species (Tricolored bat), one proposed threatened species (Alligator snapping turtle) and a candidate species (Monarch butterfly) known to occur in the area. In accordance with the Endangered Species Act (ESA), critical habitat was researched, however was not found within the project site. GSRC was also responsible for conducting Phase I Cultural Resources surveys for the same areas in which the wetland delineation surveys were performed. GSRC was responsible for conducting Section 106 consultation with the Louisiana State Historic Preservation Officer (SHPO) to obtain concurrence on GSRC findings. The associated studies were performed under separate work orders.

GSRC prepared the Draft EA in compliance with the National Environmental Protection Act (NEPA) and current Council on Environmental Quality's (CEQ) guidelines. As part of the EA process, GSRC was responsible for submitting the coordination letters to federal, state, and local agencies and affected Native American tribes. The purpose of these letters was to obtain any information or data these groups may have on potentially affected resources in the project's Region of Influence. Mr. Howard Nass is the project manager for this project and is responsible for project finances, scheduling, project coordination, oversight of associated studies, and preparation of the EA. He is also responsible for coordinating with federal, state, and local agencies during the preparation of the EA. Mr. John Lindemuth was the Cultural Resources Principal Investigator for the Cultural Resources investigations.

TEAM MEMBERS INVOLVED: **H. NASS, B. RAPIER, J. LINDEMUTH, R. HACKBARTH**

#### TASK RELEVANCE:

- ☒ Protected spp. surveys for ESA, including bat surveys
- ☒ Wetland survey and JD
- ☒ Extensive USACE coordination
- ☒ NEPA EA compliance
- ☒ Terrestrial archaeological survey in wetlands and uplands
- ☒ Architectural standing structures survey



|                                                                                                                       |                                 |                                                                                       |                                                        |                |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------|----------------|
| FIRM NAME                                                                                                             | Gulf South Research Corporation |                                                                                       | DISCIPLINE(S)*                                         | Environmental  |
| PROJECT NAME                                                                                                          | I-12 TO BUSH, MITIGATION PLAN   |                                                                                       | FIRM RESPONSIBILITY (prime or sub?)                    | Prime          |
| PROJECT NUMBER                                                                                                        | STP H.004985                    | OWNER'S NAME                                                                          | Louisiana Department of Transportation and Development |                |
| PROJECT LOCATION                                                                                                      | St. Tammany Parish, Louisiana   |                                                                                       | OWNER'S PROJECT MANAGER                                | Ms. Noe Ardoin |
| OWNER'S ADDRESS, PHONE, EMAIL                                                                                         |                                 | 1201 Capital Access Road, Baton Rouge, LA 70104   (225) 242-4501   Noel.Ardoin@LA.GOV |                                                        |                |
| SERVICES COMMENCED BY THIS FIRM (MM/YY)                                                                               | 12/14                           | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                                            |                                                        | \$194          |
| SERVICES COMPLETED BY THIS FIRM (MM/YY)                                                                               | 06/19                           | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)                         |                                                        | \$194          |
| Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.) |                                 |                                                                                       |                                                        |                |

**GSRC has been contracted by the LADOTD, State Project Number H.004985.2, to prepare a mitigation plan for unavoidable impacts on jurisdictional wetlands associated with the construction of the I-12 to Bush highway in St. Tammany Parish, Louisiana.**

The mitigation of unavoidable impacts on jurisdictional wetlands is required by Section 404 of the CWA. As part of the contract, GSRC is tasked with researching best methods for identifying mitigation measures for projects similar in scale to the I-12 to Bush highway project.

GSRC also identified lands that had the potential to satisfy the wetland mitigation requirements identified by the USACE. As part of the identification process, GSRC interviewed landowners, conducted reconnaissance level field surveys, and calculated the mitigation potential of mitigation lands. GSRC prepared a mitigation report that provides the methodology used by GSRC to identify best methods for identifying mitigation measures for projects similar in scale, research findings, and recommended best practices for wetland mitigation.

Following the implementation of the Louisiana Rapid Assessment Method (LRAM), GSRC was tasked with converting the prior mitigation requirement (Modified Charleston Method) using the LRAM. During the contract period the Preliminary Jurisdictional Determination (PJD) expired (5 years), GSRC was tasked with updating the PJD. GSRC personnel conducted a wetland determination to verify the original PJD. As a result of the PJD update, GSRC was able to reduce wetland impacts by approximately 10 acres.

GSRC researched current documents pertaining to mitigation practices used by other State Department of Transportations to streamline the USACE 404 permitting process and mitigation requirements associated with the approval of a Department of the Army individual permit and to reduce costs and liability. Personnel from the following State DOTs were contacted during the research process: Alabama, Florida, Mississippi, and Tennessee. GSRC also interviewed personnel from the USFWS and Louisiana Department of Wildlife and Fisheries.

TEAM MEMBERS INVOLVED: **H. NASS, B. RAPIER**

**TASK RELEVANCE:**

- ☒ Wetlands mitigation planning research with State Departments of Transportation
- ☒ Identification/evaluation of new wetland mitigation sites
- ☒ Mitigation Report recommends best practices for LADOTD wetland mitigation
- ☒ LRAM followed by Modified Charleston Method
- ☒ Update to PJD required



|                                         |                                                         |                                                               |                                          |               |
|-----------------------------------------|---------------------------------------------------------|---------------------------------------------------------------|------------------------------------------|---------------|
| FIRM NAME                               | GIS Engineering, LLC                                    |                                                               | DISCIPLINE(S)*                           | Planning      |
| PROJECT NAME                            | LOWER ST. BERNARD ROADWAY NETWORK & RESILIENCE STUDY    |                                                               | FIRM RESPONSIBILITY (prime or sub?)      | Prime         |
| PROJECT NUMBER                          | H.015428                                                | OWNER'S NAME                                                  | New Orleans Regional Planning Commission |               |
| PROJECT LOCATION                        | New Orleans, Louisiana                                  |                                                               | OWNER'S PROJECT MANAGER                  | Karen Parsons |
| OWNER'S ADDRESS, PHONE, EMAIL           | 10 Veterans Blvd. New Orleans, LA 70124, (504) 483-8511 |                                                               |                                          |               |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 07/20; 10/23                                            | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                          | \$1,486       |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | 5/25; Ongoing                                           | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                          | \$583         |

*Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)*

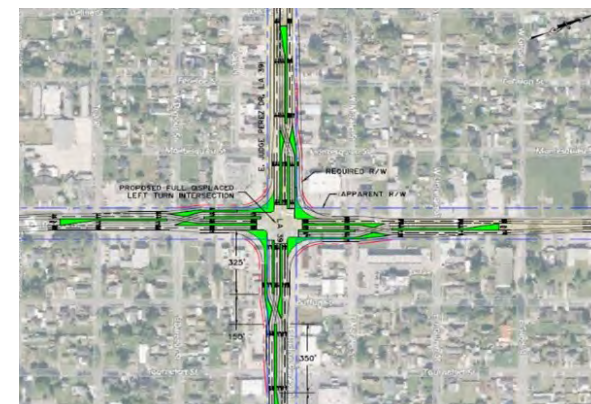
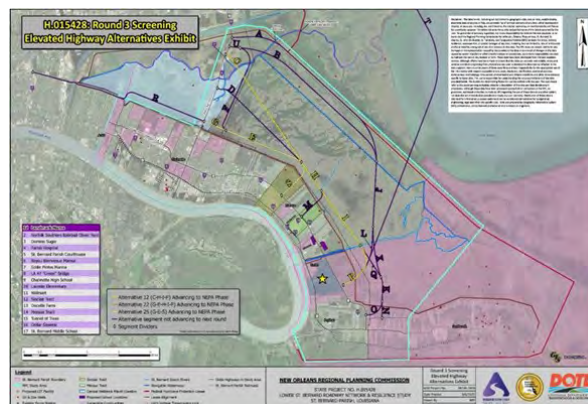
**As Prime Consultant to the New Orleans Regional Planning Commission, GIS Engineering led a qualified team to perform a Stage 0 Feasibility Study in accordance with the LADOTD Stage 0 Manual of Standard Practice for the Lower St. Bernard Transportation Network.**

The Study incorporated a robust community engagement process to support evaluation of roadway and rail improvements associated with the proposed Louisiana International Terminal in Violet, Louisiana. GIS organized and facilitated two formal public hearings and tabled two community events, engaging residents, business owners, and public agencies to gather feedback on conceptual alternatives development and potential environmental and transportation impacts. Twenty-five (25) build alternatives were developed for the elevated highway concept and screened to three (3) alternatives to move into the Stage 1 Environmental Document. Improvements to existing infrastructure were evaluated by analyzing traffic volumes, both, with and without the proposed elevated highway alternatives. To ensure a comprehensive and streamlined planning process, this study incorporated the Planning and Environmental Linkage (PEL) approach, aligning with 23CFR450.318 to facilitate the early consideration of environmental, community, and economic factors in transportation decision-making. All final report documents can be found at <https://www.norpc.org/transportation/projects/lower-st-bernard-parish-la-roadway-network-resilience-study/>.

TEAM MEMBERS INVOLVED: J. CHUSTZ, J. LOESKE

**TASK RELEVANCE:**

- ☒ PEL Stage 0 predecessor to this contract: No. 4400035009 (H.015428.2)
- ☒ Post-contract close-collaboration with Stantec team on completed Stage 0 analysis, data gaps and approach
- ☒ Unmatched understanding of key design, cost, and environmental considerations
- ☒ Positive relationships with all key stakeholders, especially St. Bernard Parish and Port NOLA
- ☒ Invaluable insight for this contract's Task 0 priority tasks prior to SA1.
- ☒ NORPC Stage 0 contract success with Stage 0 partner, Desire Line



|                                         |                                                                             |                                                               |                                          |                                                           |
|-----------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------|
| FIRM NAME                               | Desire Line LLC                                                             |                                                               | DISCIPLINE(S)*                           | Planning, Data Collection, Other (Stakeholder Engagement) |
| PROJECT NAME                            | TRANSPORTATION STAGE "0" FEASIBILITY STUDY OUTREACH                         |                                                               | FIRM RESPONSIBILITY (prime or sub?)      | Sub                                                       |
| PROJECT NUMBER                          | N/A                                                                         | OWNER'S NAME                                                  | New Orleans Regional Planning Commission |                                                           |
| PROJECT LOCATION                        | St. Bernard Parish, LA                                                      |                                                               | OWNER'S PROJECT MANAGER                  | Karen Parsons                                             |
| OWNER'S ADDRESS, PHONE, EMAIL           | 10 Veterans Blvd, New Orleans, LA 70124, (504) 483-8500, kparsons@norpc.org |                                                               |                                          |                                                           |
| SERVICES COMMENCED BY THIS FIRM (MM/YY) | 10/23                                                                       | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                          | Unknown                                                   |
| SERVICES COMPLETED BY THIS FIRM (MM/YY) | 04/25                                                                       | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                          | \$57                                                      |

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Desire Line, as subconsultant to GIS Engineering and Meyer Engineers, Ltd., managed, analyzed, and reported on all outreach and engagement efforts associated with the development of a transportation study that assessed alternatives for a new elevated expressway to connect lower St. Bernard Parish to the Interstate in response to future development down river and from the Port of New Orleans Louisiana International Terminal Project in Violet. Work included a project website, branding, community meetings, tabling at local events, online surveys, development and distribution of project brochures, meeting public notice requirements, and meeting exercise development and facilitation. This project was successfully completed in March 2025.

TEAM MEMBERS INVOLVED: A. CARTER, E. CAMPO

### Mark the Map Survey

When traveling in St. Bernard Parish - tell us about something you love, something that needs to change, or if you have an idea for a transportation project!

**Instructions for using the map**

**On a browser:** Click anywhere on the map to drop a pin. Use your mouse wheel or the +/- buttons on the map to zoom into the map. Click and drag your mouse to move the map.

**On a mobile device:** Tap the map to enlarge, pinch to zoom in and out to find your desired location and select it by pressing the blue + button on the bottom right of the screen. Finalize your selected location by pressing "OK" on the top right hand of your phone screen.

**Drop a pin on the map\***

Note that the Project Area includes the entire Parish; the "Star" indicates the planned Port NOLA LIT site; and transportation corridors and the railroad network are highlighted to help support feedback.

**Answer Category\***

Select a category from the dropdown menu

⌵ Please select...

#### TASK RELEVANCE:

- ☒ Adapted inherited Involvement/outreach efforts quickly to meet emerging outreach and PR needs
- ☒ Close collaboration with St. Bernard Parish Administration and Port NOLA leadership
- ☒ Conflict avoidance/resolution as needed during Stage 0 feasibility Study
- ☒ Documented successful compliance with Titled VI and developed trust through transparency within St. Bernard/ Chalmette community
- ☒ Proactive coordination throughout, conducting outreach as needed while maintaining aggressive schedule



|                                                                                                                       |                                                         |                                                                                            |                                                               |                                     |                   |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|-------------------|
| FIRM NAME                                                                                                             | Innovative Contracting and Engineering Professional LLC |                                                                                            | DISCIPLINE(S)*                                                |                                     | Other (ICE)       |
| PROJECT NAME                                                                                                          | KANSAS-GARRETT CONNECTOR & I-20 IMPROVEMENTS            |                                                                                            |                                                               | FIRM RESPONSIBILITY (prime or sub?) | Prime             |
| PROJECT NUMBER                                                                                                        | H.004774.5                                              | OWNER'S NAME                                                                               | Louisiana Department of Transportation and Development        |                                     |                   |
| PROJECT LOCATION                                                                                                      | Baton Rouge, Louisiana                                  |                                                                                            |                                                               | OWNER'S PROJECT MANAGER             | Christina Brignac |
| OWNER'S ADDRESS, PHONE, EMAIL                                                                                         |                                                         | 1201 Capital Access Rd., Baton Rouge, LA 70802 / (225) 379-3006 / christina.brignac@la.gov |                                                               |                                     |                   |
| SERVICES COMMENCED BY THIS FIRM (MM/YY)                                                                               |                                                         | 04/24                                                                                      | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                     | \$601             |
| SERVICES COMPLETED BY THIS FIRM (MM/YY)                                                                               |                                                         | Ongoing                                                                                    | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                     | \$601             |
| Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.) |                                                         |                                                                                            |                                                               |                                     |                   |

### ICE Teams provided independent cost estimating and scheduling services for this critical LADOTD infrastructure project.

The scope included the construction of a new elevated roadway connector and significant improvements to the existing I-20 interchange. A remarkable challenge on this project was the requirement to construct new bridge elements directly over active railroad tracks without disrupting critical freight operations. We solved this by developing highly detailed, resource-loaded schedules that optimized the critical path and established precise work windows for over-rail construction. This minimized risk and validated the fair market cost of the contractor's staging plans.

**Expedited, Time-Critical Schedule:** Maintaining an expedited schedule was paramount to avoid prohibitive delay penalties and minimize disruptions to the I-20 interstate traffic. ICE Teams led the effort to optimize the timeline by identifying parallel construction activities and fast-track delivery methodologies. Our independent schedule analysis proved essential in defining a realistic but aggressive Contract Time Determination for LADOTD.

**Multi-Agency and Entity Coordination:** This project required intense coordination between LADOTD, the Federal Highway Administration, local municipal stakeholders in Monroe, and major rail operators. We synthesized the constraints of these various entities into a single, cohesive preconstruction plan.

**Relevance to St. Bernard Parish and Port NOLA:** While this project is in Monroe, the complex coordination required between the state DOT, local municipalities, and heavy freight rail operators perfectly mirrors the stakeholder environment of St. Bernard Parish and Port NOLA. Navigating LADOTD standards while accommodating critical infrastructure prepares our team for the industrial and maritime logistics required on the LIT Corridor.

#### Similarities to the St. Bernard LIT Corridor Scope

- New Roadway Construction: Both projects establish a new roadway corridor to improve regional mobility and freight access.
- Traffic Engineering and MOT: Both projects require complex MOT plans to protect active traffic during construction.
- LADOTD Standards: We offer complete alignment with LADOTD design standards and project management protocols.
- Bridge and Interchange Structures: Both feature significant structural elements requiring precise logistical planning for material delivery and construction.

TEAM MEMBERS INVOLVED: **K. NORSETH, J. HARVEY**

#### TASK RELEVANCE:

- ☒ Rapid elevated corridor construction timelines
- ☒ LADOTD infrastructure project
- ☒ Geotechnical & structural evaluations
- ☒ Heavy emphasis on MOT coordination

|                                                                                                                       |                                                                                             |                                                               |                                                        |                   |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------|-------------------|
| FIRM NAME                                                                                                             | Innovative Contracting and Engineering Professional LLC                                     |                                                               | DISCIPLINE(S)*                                         | Other (ICE)       |
| PROJECT NAME                                                                                                          | COMITE RIVER DIVERSION PROJECT                                                              |                                                               | FIRM RESPONSIBILITY (prime or sub?)                    | Prime             |
| PROJECT NUMBER                                                                                                        | H.002273.6 & H001352.6                                                                      | OWNER'S NAME                                                  | Louisiana Department of Transportation and Development |                   |
| PROJECT LOCATION                                                                                                      | Baton Rouge, Louisiana                                                                      |                                                               | OWNER'S PROJECT MANAGER                                | Christina Brignac |
| OWNER'S ADDRESS, PHONE, EMAIL                                                                                         | 1201 Capitol Access Road, Baton Rouge, LA 70802   (225) 379-3006   christina.brignac@la.gov |                                                               |                                                        |                   |
| SERVICES COMMENCED BY THIS FIRM (MM/YY)                                                                               | 11/20                                                                                       | TOTAL CONSULTANT CONTRACT COST (\$1,000's)                    |                                                        | \$608             |
| SERVICES COMPLETED BY THIS FIRM (MM/YY)                                                                               | 09/22                                                                                       | COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's) |                                                        | \$608             |
| Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.) |                                                                                             |                                                               |                                                        |                   |

### The Comite River Diversion was a critical CM/GC project featuring a 12-mile-long riprap-lined channel connecting the Comite and Mississippi Rivers.

The scope included a diversion structure, guide levees, hydraulic drop structures, low-flow pumps, and the construction of new highway and railroad bridges. This project required navigating complex geotechnical conditions, while maintaining traffic flow on a major regional corridor. ICE Teams evaluated constructability issues related to highly compressible soils and a high water table. We priced and scheduled deep foundation installations, including driven piles and drilled shafts, and evaluated alternative structure types that could remain stable in challenging riverbank soils. Furthermore, we analyzed the logistical costs of staging heavy cranes and earthmoving equipment on unstable ground, requiring specialized temporary support systems.

**Expedited, Time-Critical Schedule:** ICE Teams proactively addressed schedule constraints by proposing an alternative bridge construction phasing plan. We found that building the bridges half at a time would eliminate the need for a costly temporary bypass road. This approach ultimately saved the project over \$3.5 million and reduced the schedule by four months.

**Multi-Agency and Entity Coordination:** The Comite project required extensive coordination. We collaborated with LADOTD, designers, the CMGC contractor, and the Geaux-Geaux Railroad to align goals, manage risks, and streamline bridge construction.

**Relevance to St. Bernard Parish and Port NOLA:** Successfully mitigating the geotechnical risks on Comite directly translates to the St. Bernard LIT Corridor. We understand how to accurately price and schedule the deep foundations, settlement mitigation, and specialized staging needed to build elevated structures in subsidence prone, wetland environments. Navigating LADOTD standards while accommodating these soil challenges directly prepares our team for the civil and structural logistics required on the LIT Corridor.

#### Similarities to the St. Bernard LIT Corridor Scope

- LADOTD Standards: This high-profile project experience aligns us with LADOTD design and project management standards.
- Geography: Both feature the construction of new transportation corridors and right-of-way development in Southern Louisiana.
- Environmental Requirements: Both scopes encompass significant environmental management, navigating critical waterways and addressing complex drainage or flood controls.
- Structures: Both involve the design and construction of major new highway bridges and elevated roadway infrastructure.

TEAM MEMBERS INVOLVED: **K. NORSETH, J. HARVEY**

#### TASK RELEVANCE:

- ☒ Extensive environmental and waterway management
- ☒ Navigates highly compressible Gulf Coast soils
- ☒ Schedules heavy equipment staging on soft ground
- ☒ Complex bridge and structural engineering
- ☒ Multi-agency and railroad coordination

An aerial photograph of a busy commercial intersection. A multi-lane road runs horizontally across the middle of the frame. To the left of the road, there is a large Walgreens pharmacy building with a red sign. To the right, there is a CVS pharmacy building. Further right, there is a gas station with a yellow and red canopy. In the foreground, there is a large white building with a steeple, possibly a church. The background shows a residential neighborhood with many houses and trees. The text "To NW - EJP/Paris Intersection" is written in the top right corner.

To NW - EJP/Paris Intersection

**SECTIONS  
18 - 19**

## 18. **Approach and Methodology:**

### **BUILDING OUR TEAM AND APPROACH**

The Stantec team brings LADOTD a purpose built team that combines regional specialists with national PEL experts and NEPA practitioners. We understand the time-critical need for this high priority and regionally significant project and we respect the balance of providing a new Louisiana International Terminal (LIT) while meeting hurricane evacuation needs, enhancing the St. Bernard community, and optimizing PEL to NEPA efficiency. Our team collaborated closely to develop an efficient and NEPA-credible approach to meet operational needs in this complex coastal setting.

Our approach aligns with combined goals of LADOTD, St. Bernard Parish, and the Port of New Orleans (PONO). We will apply proven PEL and toll strategies in a **NEPA-compliant process; implement an expedited schedule driven by early project work; provide advanced alternative development; and provide a streamlined and smooth transition from Stage 1 into construction or alternative delivery.**

Our proposed approach integrates cost saving and constructability insights from ICE; locally grounded public engagement led by Desire Line; Port related NEPA and permitting experience from GEC and GSRC; survey/subsurface knowledge tailored to this corridor from Forte & Tablada (F&T); and continuity from GIS Engineering (prime consultant for the Stage 0 feasibility study), ensuring that Stage 0 data and results are efficiently carried forward into PEL and NEPA activities without redundant effort. Oversight by **Stantec's national PEL expert, Ted Devens**, in coordination with **Project Manager Scott Hoffeld**, will provide early risk management, disciplined Task 0 execution, and a decision focused strategy that aligns PEL and NEPA activities on an accelerated delivery schedule.

### **Task 0: Workplan and Quick-Start**

Task 0 establishes the early **framework for an efficient and coordinated effort** so Stage 1 tasks can support and align with future project needs in later phases. Within 15 days of award, Stantec will prepare a workplan for Tasks 0, 1, and 2 that provides recommendations to define and optimize early study tasks and sequencing; an accelerated schedule; and specific decision points. A follow-on "PEL Strategy Meeting" would serve to confirm or modify the approach decided in collaboration with LADOTD and possibly FHWA. This "think ahead" approach has been successful on numerous large PEL Studies, such as I-95 in Stamford, CT; I-94 in Bismarck, ND, and an ongoing PEL Study for NC 12 in the NC Outer Banks. This workplan will include among other items: a **critical-path schedule**, a **preliminary PEL to NEPA crosswalk matrix**, a brief **contract management/administration plan**, and a **Task 1 and 2 negotiations schedule**. Critically, the workplan will also recommend tasks to **initiate immediately (i.e., quick start tasks) to maintain the schedule.**

Upon approval, the project team will identify quick start tasks that may include some or all of the following: **1) identify cooperating/participating agencies and stakeholders, then begin early engagement with key players such as USACE, USCG, PONO, St. Bernard Parish, freight NGOs, emergency/first-responders; 2) supplemental preliminary alternatives identification/vetting; 3) Task 2 vs. 3 scope needs; 4) selected special studies (e.g., traffic, toll/revenue, LiDAR); and 5) contract management.**

Our optimized 30-mo NEPA clearance schedule illustrates contracting transitions, key agency/stakeholder engagement and other key items. Continuous PEL to NEPA crosswalk maintenance will provide evolving information for schedule discussions and adjustments during Task 2. Quick start and other schedule accelerations strategies on which we will collaborate with LADOTD are provided in the table below.

| Quarter from LADOTD Contract Award                           | Q1      | Q2       | Q3 | Q4 | Q5 | Q6            | Q7 | Q8 | Q9 | Q10    |
|--------------------------------------------------------------|---------|----------|----|----|----|---------------|----|----|----|--------|
| Month from LADOTD Contract Award                             |         |          |    |    |    |               |    |    |    |        |
| LADOTD Contracting Points                                    | Initial | Pre-NEPA |    |    |    | Environmental |    |    |    | Design |
| Key Agency/Stakeholder Coord. Points                         |         |          |    |    |    |               |    |    |    |        |
| Task 0 - Work Plan                                           |         |          |    |    |    |               |    |    |    |        |
| Quick-Start Tasks                                            |         |          |    |    |    |               |    |    |    |        |
| PEL to NEPA Crosswalk/Updates                                |         |          |    |    |    |               |    |    |    |        |
| Completion of Task 0 Quick-Start Tasks                       |         |          |    |    |    |               |    |    |    |        |
| Remaining Special Studies                                    |         |          |    |    |    |               |    |    |    |        |
| Alternatives Development/Refinement                          |         |          |    |    |    |               |    |    |    |        |
| FHWA Major Projects Compliance                               |         |          |    |    |    |               |    |    |    |        |
| NEPA Prep./Initiation, Agency/Stakeholder/<br>Public Scoping |         |          |    |    |    |               |    |    |    |        |
| NEPA Documentation & Decision-Making                         |         |          |    |    |    |               |    |    |    |        |
| Task 3/4 Design to Delivery Transition                       |         |          |    |    |    |               |    |    |    |        |

### **Project Quick Start and Acceleration Strategies**

|                                                                                                                                                                   |                                                                                                                                                                                   |                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Product Lifespans and NEPA Integration</i> – Consider when NEPA will use each product, then plan product deliveries to avoid "aging-out" issues.               | <i>Constructability and Cost Realism</i> – Integrate ICE's cost-saving strategies into line and grade/bridge concept work as early as practicable - to avoid late-stage redesign. | <i>Proactive Stakeholder &amp; Public Engagement</i> – resume Stage 0 engagement immediately to reestablish trust, messaging and transparency. identify challenges and solutions.                                                 |
| <i>Early USACE, USCG and other key stakeholder coordination</i> – to identify needs justification, constraints, alternatives analyses and other permitting needs. | <i>Review and refine preliminary alternatives</i> – to improve resource agency coordination, trust and collaboration                                                              | <i>Early SA 2 and SA3 contracting decisions</i> – to foster timely scope development and negotiation ahead of scheduled task timeframes.                                                                                          |
| <i>Actively manage the PEL to NEPA Crosswalk</i> – to maximize likelihood of successful adoption/integration into NEPA – and reduce duration of the NEPA Phase.   | <i>Investigate viability of a Mitigated EA/FONSI instead of an EIS</i> – to reduce duration and cost of the NEPA Phase.                                                           | <i>Administrative Record Readiness</i> – Maintain a centralized project log and repository for decisions, meetings, and study data - to provide supporting documentation of credible efforts and future legal sufficiency review. |

## Task 1: Contract Management

We will establish clear protocols for communication, management, and contract administration with an emphasis on consistency and responsiveness to LADOTD direction without administrative burden. During the 15-day Task 0 work plan period, our team will collaborate with LADOTD to confirm preferences for communications, reporting, document control, invoicing, progress reporting, and meeting practices. These agreed-upon standards, including project tracking procedures and a LADOTD-preferred MS Project or P6 schedule will be implemented during Task 0 and in place prior to the start of SA1 (Task 1 & 2) execution in September 2026.

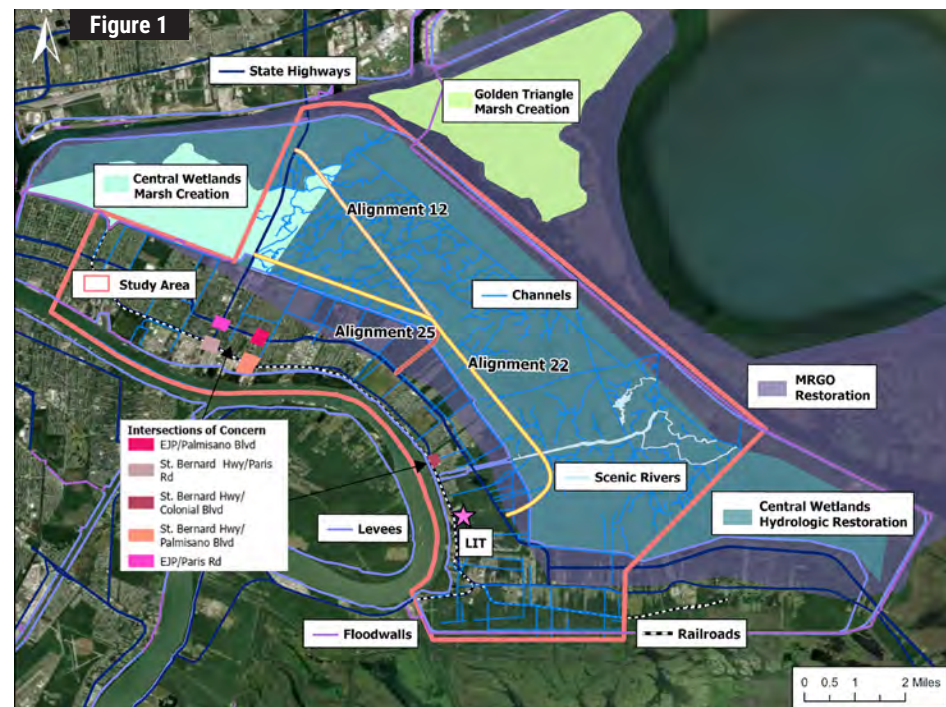
**This team removes the most common causes of delay before NEPA even begins. Intentional bench depth, Stantec's national PEL expertise paired with local delivery experience, and seamless Stage 0 GIS continuity allow critical questions to be addressed earlier. Active NEPA leadership on the LIT terminal by GEC and GSRC accelerates coordination and enables Task 2 to proceed with fewer uncertainties, supporting timely NEPA initiation and LADOTD's schedule.**

## Task 2: Pre-NEPA

Task 2 will advance the Stage 0 foundation into a focused, **decision-ready framework** that supports legally-sufficient NEPA initiation and documentation. The objective of this task is to complete pre-NEPA analyses, coordination, and vetting activities to the extent practicable so that Task 3 activities can proceed with **reduced uncertainty, a stable schedule, and clear decision parameters**. Scott Hoffeld and the designated NEPA and PEL Practitioners represent a collective resume with 15 EISs, 65 EA/FONSI, and ample Categorical Exclusions, plus over 30 Planning/Feasibility Studies and 16 PEL-compliant initiatives with various state DOTs. This team knows what to do during PEL activities and in NEPA, with Scott to guide regarding LADOTD process.

Building from the Stage 0 study, the project team will confirm validity among the refined purpose and need, range of alternatives under consideration, and the engineering and environmental constraints specific to the corridor. Stantec will lead this effort in close coordination with its consultant partners, maintaining continuity with Stage 0 while **addressing gaps that must be resolved to support Stage 1 compliance**. This collaboration allows us to integrate local knowledge and experience directly into pre-NEPA decision-making rather than treating those inputs as detached technical studies. Our team has already begun developing a GIS database as shown in the constraints figure (see Figure 1), which illustrates key issues for alternatives consideration, including the location of **ongoing and planned USACE restoration** projects within and surrounding the Central Wetlands.

Completion of the **PEL to NEPA crosswalk** (initiated in Task 0) documents how Stage 0 decisions, analyses, and engagement effort transition into Stage 1. This effort will evaluate Stage 0 products to determine which can be adopted, incorporated by reference, or used as supporting information. It will also identify any additional study needs prior to or during Task 3. This evaluation will **focus on topics that drive NEPA readiness** and be documented in a structured matrix and **accompanying crosswalk memorandum**. The intent is to identify potential issues early, prioritize critical path actions, and limit the risk of rework during Task 3. **Necessary pre-NEPA special environmental studies (e.g.,**



**cultural resources)** not already initiated during the Task 0 quick start will commence, including the balance of desktop and field investigation needs identified in PEL to NEPA crosswalk gap analysis.

The Stage 0 Outreach and Engagement Plan and existing stakeholder list will be updated and will identify PONO and the St. Bernard Parish Administration as special stakeholders/project-partners, whose collaboration will be designed per need and LADOTD preference. A **comprehensive listing of stakeholders** will also be compiled using Stage 0 records, and LADOTD/Key-stakeholder input. The updated and "right-sized" **public and agency involvement plans** will strive to satisfy core expectations and continuity with NORPC's Stage 0 program without expanding drastically from LADOTD's typical public Involvement practices.

Task 2 technical and design **studies will also be right-sized to support corridor-level decision-making**. Forte and Tablada (F&T) will build a **.DTM/.TIN surface/Model** using existing **LiDAR** point clouds and elevation models from the USGS 3DEP program. **Low-altitude UAV-based LiDAR** and existing aerial imagery will be supplemented, as needed, with F&Ts **UAV photogrammetry**. Spot topographic and hydrographic survey may also be a supplement option. **Level D SUE activities** will include utility owners and agencies coordination for collecting available as-built records. A **hydraulic analysis** will be performed to limit impacts to the floodplain, floodway, and overall watershed conditions, following 23 CFR 650.115, 650 Subpart A, 44 CFR 60.3, and the 2011 LADOTD Hydraulics Manual as applicable.

Joey Lefante, PE, PTOE, will lead our traffic and toll/revenue team. He understands PONO's schedule, goals and concerns as project manager for the PONO LIT Terminal

Access Roads Design having served as independent traffic reviewer for Port NOLA LIT Traffic Impact Analysis. His team will perform **traffic analysis following LADOTD TEPR guidelines**. A Tier 1 traffic/safety evaluation will start early using approved Stage 0 data and local agency data-libraries to identify **intersection control types** and design concepts (e.g., at **future railroad crossings/connections**). Following Tier 1, several alternatives will advance to detailed analysis in Tier 2 (traffic operations). Intermodal Relationships and efficient intermodal freight access/movement will be considered. **Detailed traffic counts and existing site observations** will be performed by Stantec's local traffic staff. NORPC's regional planning model will be utilized to estimate future traffic projections using industry standard methods (e.g., NCHRP Report 765). Joey will also coordinate an **intermediate level toll analysis** with Stantec's national Toll and Revenue team that has provided related studies across the U.S. (See Block 17 TxDOT example). Work will include a life cycle revenue forecast to inform pricing schedules and strategies and evaluate financial viability of access points along the new route (e.g., Archbishop Hannan Boulevard/Maureen Lane).

Our team has already begun to collaborate on the structural questions and geotechnical answers for this assignment. Eustis has available geotechnical archival data near Paris Road and the 40 Arpent Canal back levee and serves as the geotechnical engineer for PONO's LIT project. Our preliminary **targeted plan for new alignment-specific borings (i.e., approximately 4) and CPTs** will characterize variability that could impact driven pile design (pile capacity and settlement) and influence designs of **deep foundations, walls, embankments** and needed **mitigation measures** for problem soils. Using a phased-contracting approach, this plan provides key answers while avoiding redundancy. **GDR** and **GIR** documentation will be in accordance with LADOTD's Geotechnical Design Manual.

**Preliminary line and grade drawings and typical sections, and a bridge concept study report** will be developed for Stage 0 alternatives in coordination with technical/special environmental studies. **Design criteria, sections and drawings, and the bridge study** will have a strong focus on constructability, environmental constraints, and efficient construction methods. Striking a **balance among performance, durability, and ease of construction** will be a goal. **Constructability alternatives and phasing strategies** will be considered including assessment of a temporary trestle system for access and **modular systems** given the site context to limit environmental disruption. **Accelerated Bridge Construction (ABC)** methods will be considered such as the use of **prefabricated elements**, (e.g., precast superstructure & modular units) as schedule-saving options. Off-site stockpiling and fabrication areas will also be considered along with the use of resilient materials (e.g., CRFP, GFRP) that support long-term **maintenance** needs and facilitate inspections. Long-term performance and maintenance options will be evaluated for LADOTD review and include a full **life-cycle analysis**. We will comply with related FHWA requirements and Major Project Guidance.

GEC and ICE will lead development of a preliminary **Project Management Plan (PMP), Financial Plan (FP) and Cost Schedule Risk Assessment (CSRA)**. We will develop and maintain the preliminary **PMP** and **FP** in close coordination with the NEPA-defined parameters, consistent with LADOTD requirements. The **Initial FP** and subsequent Annual Financial Plan Updates will be based on CSRA-validated cost estimates. Our team includes proven LADOTD-cost saving services by **ICE** (e.g., Garrett Road 2yr and \$25M cost savings). ICE will support the design team in **refining initial Stage 0 and refined L & G** cost estimates. ICE will conduct rigorous quantity validation and constructability reviews

as well as **full life cycle** and maintenance, supporting comparison of cost, risk, and long-term value.

Findings from Task 2 will be used to **refine the approach, inform the NEPA pathway, and establish a clear and defensible transition into Task 3**. By the conclusion of Task 2, the project team and LADOTD will have a shared understanding of remaining risks, required commitments, Task 3 scope, and outstanding decision points – positioning the project to proceed into NEPA with clarity and momentum.

### Evaluation of Appropriate NEPA Class of Action

While DOTD anticipates that an EIS will be the appropriate level of documentation for this project, our team will objectively evaluate environmental and engineering analyses and recommend the fastest and appropriate NEPA class of action. We plan to evaluate the viability of an Environmental Assessment (EA) with a mitigated Finding of No Significant Impact (FONSI), consistent with 23 CFR § 771.119(i). Analyses and coordination will be conducted to a level of rigor that supports either outcome, so the project can advance the most credible and defensible products into the NEPA process.

### Task 3: Environmental Evaluation

Task 3 advances the project from pre-NEPA readiness into formal environmental review. Building on the outcomes of Tasks 0 through 2, this phase focuses on **disciplined execution of NEPA requirements**, coordinated agency engagement, update/completion of supporting technical studies, and documentation of environmental effects and decisions in a manner that supports **timely concurrence and project delivery**.

At the outset of Task 3, Stantec will support LADOTD and FHWA in initiating the EIS process and confirming study limits, purpose and need, and expectations for coordination and documentation. Scoping activities will be conducted **consistent with FHWA practice and prior coordination, drawing directly from the PEL to NEPA transition work** completed earlier to define the range of alternatives, data needs, and key issues requiring analysis.

Alternatives advanced from Task 2 will be further refined to **support meaningful environmental analysis and public and agency review**. Preliminary line and grade, bridge concepts, and design assumptions will be adjusted as appropriate to respond to scoping input, resource considerations, and agency feedback. Stantec will coordinate closely with Eustis Engineering, F&T, and ICE during refinement to **evaluate constructability, cost, risk, and environmental sensitivity in an integrated manner**, enabling in-process impact-avoidance and minimization measures.

Technical environmental studies will be completed and supplemented, building on information developed during Task 2. Studies may include analysis of wetlands and waters, threatened and endangered species, cultural resources, community effects, navigation, noise, hazardous materials, and other resources identified through scoping. Study results will be integrated into alternatives comparisons that clearly describe environmental tradeoffs, differentiate impacts among alternatives, and **support informed decision-making by LADOTD, FHWA, and cooperating agencies**. Our team has experience in coordinating USACE approval of alternatives that were not be the LEDPA yet are less impactful (e.g., socioeconomics) and were ultimately accepted (e.g., PONO LIT EA).

Agency coordination during Task 3 will emphasize early issue identification and resolution, with **focused engagement on permitting drivers**. Stantec will draw on the regulatory and permitting experience of GSRC and GEC to support coordination with FHWA, USACE, USCG, SHPO, and other participating agencies. Particular attention will be given to requirements associated with Sections 404 (& possibly 408 regarding existing/planned USACE projects), navigation considerations, LDWF scenic stream permitting, cultural resource consultation, and other approvals anticipated for the corridor. As project information matures, the team will support LADOTD in **developing preliminary permitting strategies and preparing preliminary permit application materials**, where appropriate, which can be refined and advanced following completion of Task 3. This approach allows permitting considerations to be evaluated alongside alternatives development rather than deferred until later phases.

Public involvement during Task 3 will build on the Stage 0 program while meeting NEPA requirements that will include at least one **public meeting, stakeholder coordination, and a public hearing**. Engagement strategies will emphasize relationship-building and trust by **maintaining continuity with prior outreach, being transparent about tradeoffs, and clearly explaining how public input influences alternatives refinement and mitigation**. Early and ongoing dialogue will be used to reduce any misinformation, address concerns before positions harden, and support constructive participation throughout the EIS process. With **support from Desire Line**, outreach will communicate purpose and need, alternatives development, environmental findings, and anticipated next steps – in a clear and accessible manner. Public comments will be documented and addressed in coordination with LADOTD and FHWA.

Our team will **comply with USDOT requirements related to EIS timelines and statutory page limits**. By structuring the EIS as a focused and analytic document, the team will facilitate review, approval, and issuance of the FHWA final environmental decision.

**Transition from Task 3 to Task 4** will begin during execution of Task 3. The management team will coordinate with LADOTD, and with the PONO and St. Bernard Parish as directed, to discuss the potential scope and timing of a Task 4 SA for the selected alternative. If LADOTD elects to advance Task 4, early discussions will define scope elements, phasing, and any deliverables needed to support funding coordination or delivery planning. Efforts to identify priority, near-term local improvement packages for NORPC/local programming will be made. The transition will include formal NEPA project closeout activities that consolidate decisions, mitigation measures, outstanding commitments, and agreed-upon actions into a transition meeting and summary memorandum to support advancement into Task 4. This effort will position LADOTD, PONO, and St. Bernard Parish for an **efficient handoff into P3 or another alternative delivery procurement and implementation process**.

#### **Task 4: Preliminary Engineering and Data Collection**

Task 4 provides limited preliminary engineering and supporting data collection for the selected alternative if directed by LADOTD following completion of the NEPA process.

**Upon LADOTD request**, the Design Team will initiate preliminary design with the objective of minimizing physical impacts and adverse environmental effects. Emergency management, incident management, and hurricane evacuation will be considered. Design plans will be delivered in accordance with LADOTD standards, specifications, and

policies, waivers, exceptions, forms, and reports. Our team will leverage established working relationships with Port Administration and LIT project teams to align engineering assumptions, schedules, and responsibilities early. This **coordinated approach will promote continuity, minimize rework, and position LADOTD, the Port, and St. Bernard Parish for an efficient handoff into P3 or another alternative delivery procurement and implementation process**.

#### **WHY CHOOSE THE STANTEC TEAM?**

| Differentiating Advantage                                                                                                                                                                                                                                                                                                       | Value to LADOTD, Port NOLA and St. Bernard Parish                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Understanding of objectives, local challenges, and needs of LADOTD, St. Bernard Parish and PONO                                                                                                                                                                                                                                 | Schedule reduction in Task 0 workplan refinement and confidence among LADOTD and its partners                                     |
| Continuity, leveraging, and consistency with Stage 0 products and stakeholder coordination needs (e.g., Desire Line's coordinated trust and transparency)<br>NEPA-support and USACE permitting experiences in the immediate vicinity for PONO (e.g., GEC's PONO LIT Site EA and permitting work for USACE PA that is not LEDPA) | Credibility and trust among stakeholders<br>Risk Management and reduction in schedule time and improved agency trust and outcomes |
| State and national success and expertise with small and large NEPA projects, including multiple EIS projects (15 EISs, 65 EA/FONSIs, numerous CEs, more than 30 planning and feasibility studies, and 16 PEL compliant initiatives for state DOTs)                                                                              | Confidence in Task 3 schedule acceleration and Task 2 Data-Gap closure actions                                                    |
| Proven success in expediting LADOTD projects                                                                                                                                                                                                                                                                                    | Confidence in schedule acceleration & team performance.                                                                           |
| Proven success in cost and schedule reductions (e.g., ICE's Garrett Road et al projects)                                                                                                                                                                                                                                        | Cost and Schedule confidence and reduction in funding shortfalls                                                                  |
| Capabilities and availability of a depth of staff to expedite project                                                                                                                                                                                                                                                           | Confidence in team's ability to adapt to challenges while meeting an accelerated schedule                                         |
| Immediate local community recognition and reputation for accountability, trust and professionalism                                                                                                                                                                                                                              | Immediate credibility and acceptance among stakeholders, public and agencies                                                      |

19. **Workload:**

| FIRM(s)<br>ALL FIRMS MUST BE<br>REPRESENTED IN THIS TABLE | Past<br>Performance<br>Evaluation<br>Discipline(S)* | Contract Number and State<br>Project Number | PROJECT NAME                                                                                              | REMAINING<br>UNPAID<br>BALANCE** |
|-----------------------------------------------------------|-----------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------|
| Stantec Consulting Services<br>Inc.                       | Road                                                | 4400024629; H.005967.6                      | Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; Striping Pln. Changes                          | \$1,506                          |
|                                                           |                                                     | 440004128; H.004273.5                       | Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Geo-metric Design/Analysis | \$272,482                        |
|                                                           |                                                     | 4400024461; H.012685.5                      | LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]; Roadway Design; Drainage                | \$32,085                         |
|                                                           |                                                     | 4400022901; H.011094.5 & H.012005.5         | LA 3094: Hearne Ave. Bridge and US 80: KCSRR Overpass (HBI) [Caddo Parish]; Roadway                       | \$635,234                        |
|                                                           |                                                     | 4400017033; H3005121                        | LA 1 / LA 415 Connector (Sub to TRC Engineers, Inc.) [West Baton Rouge Parish]; Roadway                   | \$234,844                        |
|                                                           |                                                     | 4400022582; H.012011                        | Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]                 | \$86,150                         |
|                                                           |                                                     | 4400022582; H.012029                        | Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]          | \$93,806                         |
|                                                           |                                                     | 4400022582; H.012036                        | Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]                         | \$22,045                         |
|                                                           |                                                     | 4400022582; H.012037                        | Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]                   | \$28,960                         |
|                                                           |                                                     | 4400023922; H.012071.5, T.O. 4              | IDIQ Contract for Bridge Preservation; US 51: Yellow Water River Bridge [Statewide]                       | \$203,854                        |
|                                                           |                                                     | 4400029196; H.016255.5                      | LA 1: WGS Riverplex RR Overpass [Ascension Parish]; Roadway                                               | \$558,164                        |
|                                                           |                                                     | 4400029196; H.016496.6                      | DIST02/61/62 Bridge Bundle SFY25-26 [Statewide]; Roadway                                                  | \$105,264                        |
|                                                           | Bridge                                              | 440004128; H.004273.5                       | Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Structure & Bridge         | \$80,924                         |
|                                                           |                                                     | 4400022901; H.011094.5 & H.012005.5         | LA 3094: Hearne Ave. Bridge and US 80: KCSRR Overpass (HBI) [Caddo Parish]; Bridge                        | \$757,771                        |
|                                                           |                                                     | 4400023922; H.016311                        | IDIQ Contract for Bridge Preservation; LA 1123: Creek Bridges [Acadia Parish]                             | \$133,411                        |
|                                                           |                                                     | 4400023922; H.016312                        | IDIQ Contract for Bridge Preservation; LA 3116: Creek Bridges [Acadia Parish]                             | \$151,757                        |
|                                                           |                                                     | 4400023922; H.016314                        | IDIQ Contract for Bridge Preservation; LA 3048: Creek Bridge [Richland Parish]                            | \$54,910                         |
|                                                           |                                                     | 4400023922; H.016318                        | IDIQ Contract for Bridge Preservation; LA 3149: Bayou Bridges [Evangeline Parish]                         | \$118,776                        |
|                                                           |                                                     | 4400023922; H.016319                        | IDIQ Contract for Bridge Preservation; LA 542: Creek Bridges [Jackson Parish]                             | \$101,244                        |

| FIRM(s)<br>ALL FIRMS MUST BE<br>REPRESENTED IN THIS TABLE | Past<br>Performance<br>Evaluation<br>Discipline(S)* | Contract Number and State<br>Project Number | PROJECT NAME                                                                                                                             | REMAINING<br>UNPAID<br>BALANCE** |
|-----------------------------------------------------------|-----------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Stantec Consulting Services<br>Inc.                       | Bridge                                              | 4400023922; H.016320                        | IDIQ Contract for Bridge Preservation; LA 3187: Creek Bridge [Evangeline Parish]                                                         | \$74,457                         |
|                                                           |                                                     | 4400023922; H.016325                        | IDIQ Contract for Bridge Preservation; LA 358: Creek Bridge [St. Landry Parish]                                                          | \$49,608                         |
|                                                           |                                                     | 4400023922; H.012071.5,<br>T.O. 4           | IDIQ Contract for Bridge Preservation; US 51: Yellow Water River Bridge [Statewide]                                                      | \$172,325                        |
|                                                           |                                                     | 4400022582; H.012011                        | Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]                                                | \$22,862                         |
|                                                           |                                                     | 4400022582; H.012029                        | Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]                                         | \$84,420                         |
|                                                           |                                                     | 4400022582; H.012036                        | Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]                                                        | \$103,565                        |
|                                                           |                                                     | 4400022582; H.012037                        | Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]                                                  | \$7,520                          |
|                                                           |                                                     | 4400029196; H.016255.5                      | IDIQ Contract for Engineering and Technical Support Services for Critical Projects; LA 1: WGS Riverplex RR Overpass [Ascension Parish]   | \$433,903                        |
|                                                           |                                                     | 4400029196; H.016496.6                      | IDIQ Contract for Engineering and Technical Support Services for Critical Projects; DIST02/61/62 Bridge Bundle SFY25-26 [Statewide]      | \$142,371                        |
|                                                           | Traffic                                             | 440004128; H.004273.5                       | Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Traffic Engineering                                       | \$83,834                         |
|                                                           |                                                     | 4400024461; H.012685.5                      | LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]; Traffic Study; Signal Design                                           | \$15,727                         |
|                                                           |                                                     | 4400029196; H.016421.2                      | I-20: Interchange at Rough Edge Rd. [Lincoln Parish]; Traffic Engineering                                                                | \$170,503                        |
|                                                           | Other (Lighting)                                    | 4400024629; H.005967.6                      | Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; Roadway & Nav. Lighting                                                       | \$21,845                         |
|                                                           |                                                     | 440004128; H.004273.5                       | Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Public Relations/Comm.; Lighting; Aviation                | \$52,944                         |
|                                                           |                                                     | 4400020064; H.014286.6                      | IDIQ Contract for Electrical Services; I-10: LA 26 (Jennings) Interchange Lighting [Jefferson Davis Parish]                              | \$43,129                         |
|                                                           |                                                     | 4400020064; H.014272.6                      | IDIQ Contract for Electrical Services; I-10: LA 97 (Jennings) Intchg Lighting [Jefferson Davis Parish]                                   | \$33,551                         |
|                                                           |                                                     | 4400020064; H.014287.6                      | IDIQ Contract for Electrical Services; I-10: LA 99 (Welsh) Intchg Lighting [Jefferson Davis Parish]                                      | \$65,268                         |
|                                                           |                                                     | 44-04761; H.004957.5                        | I-12 to Bush Corridor, LA 3241: I-12 to LA 36 (Sub to Evans-Graves Engineering, Inc.) [St. Tammany Parish]; I-12/LA 434 Lighting Project | \$6,149                          |
|                                                           | CE&I/OV                                             | 4400024629; H.005967.6                      | Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; CE&I and Construction Support                                                 | \$295,128                        |

| FIRM(s)<br>ALL FIRMS MUST BE<br>REPRESENTED IN THIS TABLE | Past<br>Performance<br>Evaluation<br>Discipline(S)* | Contract Number and State<br>Project Number | PROJECT NAME                                                                                                                                   | REMAINING<br>UNPAID<br>BALANCE** |
|-----------------------------------------------------------|-----------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Stantec Consulting Services<br>Inc.                       | Right-of-Way                                        | 440004128; H.004273.5                       | Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; ROW Acquisition                                                 | \$69,646                         |
|                                                           | Survey                                              | 440004128; H.004273.5                       | Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Survey                                                          | \$22,731                         |
|                                                           | Planning                                            | 440004128; H.004273.5                       | Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Prog. Mgmt.; Context Sensitive Design Process; Impl. Strategies | \$405,824                        |
|                                                           | Planning                                            | 440004128; H.004273.5                       | Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Prog. Mgmt.; Context Sensitive Design Process; Impl. Strategies | \$405,824                        |
|                                                           |                                                     | 4400017033; H.005121                        | LA 1 / LA 415 Connector (Sub to TRC Engineers, Inc.) [West Baton Rouge Parish]                                                                 | \$118,727                        |
|                                                           |                                                     | 4400022582; H.012011                        | Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]                                                      | \$41,087                         |
|                                                           |                                                     | 4400022582; H.012029                        | Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]                                               | \$39,783                         |
|                                                           |                                                     | 4400022582; H.012036                        | Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]                                                              | \$43,537                         |
|                                                           |                                                     | 4400022582; H.012037                        | Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]                                                        | \$36,136                         |
|                                                           |                                                     | 4400029196; H.016255.5                      | LA 1: WGS Riverplex RR Overpass [Ascension Parish]                                                                                             | \$106,610                        |
|                                                           |                                                     | 4400029196; H.016496.6                      | DIST02/61/62 Bridge Bundle SFY25-26 [Statewide]                                                                                                | \$236,184                        |
|                                                           |                                                     | 4400023922; H.016311                        | IDIQ Contract for Bridge Preservation; LA 1123: Creek Bridges [Acadia Parish]                                                                  | \$38,360                         |
|                                                           |                                                     | 4400023922; H.016312                        | IDIQ Contract for Bridge Preservation; LA 3116: Creek Bridges [Acadia Parish]                                                                  | \$29,526                         |
|                                                           |                                                     | 4400023922; H.016314                        | IDIQ Contract for Bridge Preservation; LA 3048: Creek Bridge [Richland Parish]                                                                 | \$28,365                         |
|                                                           |                                                     | 4400023922; H.016318                        | IDIQ Contract for Bridge Preservation; LA 3149: Bayou Bridges [Evangeline Parish]                                                              | \$24,474                         |
|                                                           |                                                     | 4400023922; H.016319                        | IDIQ Contract for Bridge Preservation; LA 542: Creek Bridges [Jackson Parish]                                                                  | \$29,782                         |
|                                                           |                                                     | 4400023922; H.016320                        | IDIQ Contract for Bridge Preservation; LA 3187: Creek Bridge [Evangeline Parish]                                                               | \$28,910                         |
|                                                           |                                                     | 4400023922; H.016325                        | IDIQ Contract for Bridge Preservation; LA 358: Creek Bridge [St. Landry Parish]                                                                | \$23,562                         |
|                                                           | Environmental                                       | 4400022582; H.012011                        | Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]                                                      | \$13,689                         |
|                                                           |                                                     | 4400022582; H.012029                        | Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]                                               | \$32,281                         |
|                                                           |                                                     | 4400022582; H.012036                        | Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]                                                              | \$21,888                         |
|                                                           |                                                     | 4400022582; H.012037                        | Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]                                                        | \$12,995                         |
|                                                           |                                                     | 4400029196; H.016255.5                      | LA 1: WGS Riverplex RR Overpass [Ascension Parish]                                                                                             | \$66,562                         |
|                                                           |                                                     | 4400029196; H.016421.2                      | I-20: Interchange at Rough Edge Rd. [Lincoln Parish]; Environmental                                                                            | \$683,507                        |
|                                                           |                                                     |                                             |                                                                                                                                                |                                  |

| FIRM(s)<br>ALL FIRMS MUST BE<br>REPRESENTED IN THIS TABLE | Past<br>Performance<br>Evaluation<br>Discipline(S)* | Contract Number and State<br>Project Number | PROJECT NAME                                                                                                                                                                   | REMAINING<br>UNPAID<br>BALANCE** |
|-----------------------------------------------------------|-----------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Stantec Consulting Services Inc.</b>                   | ITS                                                 | 440004128; H.004273.5                       | Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; ITS                                                                                             | N/A                              |
|                                                           |                                                     | 4400020058; H.013710.6                      | IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-10/US-61 to Laplace ITS Deployment [Ascension, St. James & St. John Parishes] | \$731                            |
|                                                           |                                                     | 4400020058; H.001234.6                      | IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; LA 1: Port Allen Canal BR REPL (PHI) (HBI) [West Baton Rouge Parish]            | N/A                              |
|                                                           |                                                     | 4400020058; H.011152.6                      | IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-12: US 190 to LA 59 [St. Tammany Parish]                                      | \$1,829                          |
|                                                           |                                                     | 4400020058; H.013866.6                      | IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-12: LA 21 to US 190 [St. Tammany Parish]                                      | \$1,617                          |
|                                                           |                                                     | 4400020058; H.003047.6                      | IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-10: Pecue Lane/I-10 Interchange Phase III [EBR Parish]                        | \$1,301                          |
|                                                           |                                                     | 4400020058; H.002424.6                      | IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; LA 70: Sunshine Bridge - LA 22 [St. James & Ascension Parishes]                 | \$722                            |
|                                                           |                                                     | 4400020058, T.O. 16                         | IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-10 WBR Queue Warning System [Iberville & WBR Parishes]                        | \$11,887                         |
|                                                           |                                                     | 4400020058, T.O. 20                         | IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; Alexandria Reg. ITS Architecture Update [Statewide]                             | \$12,817                         |
|                                                           |                                                     | 4400029583, T.O. 1; H3015137.5              | IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; Bonnet Carre ITS Upgrades [Statewide, LA]                                       | \$652,328                        |
|                                                           |                                                     |                                             |                                                                                                                                                                                |                                  |
| <b>G.E.C., Inc.</b>                                       | Road                                                | 44-04128, H.004273.5                        | I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)                                                                                   | \$378,352                        |
|                                                           |                                                     | 44-29193, H.004100.5 & H.004100.6           | CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes                                                                               | \$391,744                        |
|                                                           |                                                     | 44-29196, H.016255                          | IDIQ Contract for Engineering & Technical Support, TO#2 – LA 1: WGS Riverplex Railroad Overpass (sub to Stantec)                                                               | \$260,462                        |
|                                                           |                                                     | 44-29196, H.016421.2                        | IDIQ Contract for Engineering & Technical Support, TO#5 – I-20 Interchange at Rough Edge Road (Sub to Stantec)                                                                 | \$234,407                        |
|                                                           |                                                     | 44-26027, H.003771.2                        | I-10 at LA 74, Ascension Parish                                                                                                                                                | \$282,000                        |
|                                                           |                                                     | 44-25040, H.015342                          | IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1                                                                                                                  | \$23,500                         |
|                                                           | Bridge                                              | 44-04128, H.004273.5                        | I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)                                                                                   | \$201,433                        |
|                                                           |                                                     | 44-29193, H.004100.5 & H.004100.6           | CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes                                                                               | \$1,923,488                      |
|                                                           |                                                     | 44-04900, H.004540.5                        | Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services (Sub to HNTB)                                                                                     | \$164,857                        |
|                                                           |                                                     | 44-26027, H.003771.2                        | I-10 at LA 74, Ascension Parish                                                                                                                                                | \$188,000                        |

| FIRM(s)<br>ALL FIRMS MUST BE<br>REPRESENTED IN THIS TABLE | Past<br>Performance<br>Evaluation<br>Discipline(S)* | Contract Number and State<br>Project Number | PROJECT NAME                                                                                                                                                                                                                                                                                                                | REMAINING<br>UNPAID<br>BALANCE** |
|-----------------------------------------------------------|-----------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| G.E.C., Inc.                                              | Bridge                                              | 44-25040, H.015342                          | IIJA, Off-System Bridge Program, District 61 Less EBR, S.A. #1                                                                                                                                                                                                                                                              | \$183,336                        |
|                                                           |                                                     | 44-23434, H.000445                          | US 190: UPRR Overpass Near Opelousas, St. Landry Parish (Sub to AECOM)                                                                                                                                                                                                                                                      | \$173,922                        |
|                                                           |                                                     | 44-05267, H.003074.5                        | Williams Blvd – Veterans Blvd. ( SA#5 & EWL#6), Route I-10, Jefferson Parish, LA                                                                                                                                                                                                                                            | \$148,795                        |
|                                                           | Environmental                                       | 44-04128, H.004273.5                        | I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)                                                                                                                                                                                                                                | \$28,600                         |
|                                                           |                                                     | 44-25040, H.015342                          | IIJA, Off-System Bridge Program, District 61 Less EBR, S.A. #1                                                                                                                                                                                                                                                              | \$581                            |
|                                                           |                                                     | 44-29193, H.004100.5 & H.004100.6           | CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes                                                                                                                                                                                                                            | \$66,554                         |
|                                                           |                                                     | 44-26027, H.003771.2                        | I-10 at LA 74, Ascension Parish                                                                                                                                                                                                                                                                                             | \$751,500                        |
|                                                           |                                                     | 44-25047, H.011358.2                        | US 190 (Vine Street Reconstruction), St. Landry Parish                                                                                                                                                                                                                                                                      | \$591,773                        |
|                                                           | Other<br>(Electrical)                               | 44-04128, H.004273.5                        | I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)                                                                                                                                                                                                                                | \$303,449                        |
|                                                           |                                                     | 44-29193, H.004100.5 & H.004100.6           | CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes                                                                                                                                                                                                                            | \$761,710                        |
|                                                           |                                                     | 44-05267, H.003074.5                        | Williams Blvd – Veterans Blvd. (SA#6), Route I-10, Jefferson Parish, LA                                                                                                                                                                                                                                                     | \$54,012                         |
|                                                           |                                                     | 44-26074, H.013617.6                        | IDIQ Contract for Electrical Statewide, TO#1 - I:10: I-610E Interchange Lighting                                                                                                                                                                                                                                            | \$45,765                         |
|                                                           |                                                     | 44-26074, H.014552.6                        | IDIQ Contract for Electrical Statewide, TO#2 - I-49: LA 31 Interchange Lighting                                                                                                                                                                                                                                             | \$60,502                         |
|                                                           |                                                     | 44-26074, H.015598.6                        | IDIQ Contract for Electrical Statewide, TO#3 - I-210: Hurricane Laura Lighting Repairs                                                                                                                                                                                                                                      | \$76,259                         |
|                                                           |                                                     | 44-26074, H.014556.6                        | IDIQ Contract for Electrical Statewide, TO#5 - I-49: US 190 Interchange Lighting                                                                                                                                                                                                                                            | \$70,115                         |
|                                                           |                                                     | 44-26074, H.014557.5                        | IDIQ Contract for Electrical Statewide, TO#7 - I-49: Judson Walsh Interchange Lighting                                                                                                                                                                                                                                      | N/A                              |
|                                                           |                                                     | 44-26074, H.014553.6                        | IDIQ Contract for Electrical Statewide, TO#8 - I-49: LA 3233 Interchange Lighting                                                                                                                                                                                                                                           | \$140,216                        |
|                                                           | Other (Program<br>Management)                       | 44-16958                                    | Road Transfer Program Management, Statewide (NOTE: This contract expires on 05/31/26. The Average Annual billing is approx. \$290,000/ year. This billing represents 1 person stationed at DOTD. Thus, unlikely to bill this entire remaining balance. (Program Management ONLY – NO Planning, Road or Bridge Design work). | \$549,958                        |
|                                                           |                                                     | 44-25040, H.015342                          | IIJA, Off-System Bridge Program, District 61 Less EBR, S.A. #1                                                                                                                                                                                                                                                              | \$53,100                         |
|                                                           |                                                     | 44-29196, H.01696.6                         | IDIQ Contract for Engineering & Technical Support, TO#3 – District 02, 03, 61 & 62, Bridge Bundle SFY 25-26 (Sub to Stantec)                                                                                                                                                                                                | \$345,331                        |
|                                                           |                                                     | 44-04128, H.004273.5                        | I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)                                                                                                                                                                                                                                | \$33,174                         |
|                                                           |                                                     | 44-29193, H.004100.5 & H.004100.6           | CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes                                                                                                                                                                                                                            | \$662,630                        |
|                                                           | Planning                                            | 44-26027, H.003771.2                        | I-10 at LA 74, Ascension Parish                                                                                                                                                                                                                                                                                             | \$177,000                        |

| FIRM(s)<br>ALL FIRMS MUST BE<br>REPRESENTED IN THIS TABLE | Past<br>Performance<br>Evaluation<br>Discipline(S)* | Contract Number and State<br>Project Number | PROJECT NAME                                                                                                                | REMAINING<br>UNPAID<br>BALANCE** |
|-----------------------------------------------------------|-----------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>G.E.C., Inc.</b>                                       | Traffic                                             | 44-26027, H.003771.2                        | I-10 at LA 74, Ascension Parish                                                                                             | \$48,500                         |
|                                                           | ITS                                                 | 44-04128, H.004273.5                        | I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)                                | \$19,447                         |
|                                                           | CE&I/OV                                             | 44-23074, H.012465.6                        | IDIQ for CE&I Services and Staff Augmentation, District 61 - Flashing Yellow Arrow Part 3                                   | \$142,564                        |
|                                                           |                                                     | 44-23074, H.010960.6                        | IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 30 Roundabouts at Tanger Mall and I-10                      | \$314,694                        |
|                                                           |                                                     | 44-23074, H.015424.6                        | IDIQ for CE&I Services and Staff Augmentation, District 61 - La 67: Plank Rd @ Airline- Girder Rep                          | \$59,454                         |
|                                                           |                                                     | 44-23074, H.012061.6                        | IDIQ for CE&I Services and Staff Augmentation, District 61 -LA 1: Bayou Moreau and Lateral W15#7A                           | \$96,651                         |
|                                                           |                                                     | 44-23074, H.014762.6                        | IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 44: 1-10 - LA 621                                           | \$341,484                        |
|                                                           |                                                     | 44-23074, H.15267.6                         | IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 431: Left Turn Lane at LA 621                               | \$66,828                         |
|                                                           |                                                     | 44-14315, H.010000.6                        | IDIQ for Painting Inspection & Environmental Monitoring with CE&I, Statewide - US 171: Calcasieu River Bridge Repairs       | \$37,447                         |
|                                                           |                                                     | 44-27615, H.012083.6                        | IDIQ for Painting Inspection & Environmental Monitoring with CE&I, Statewide - I-10: Calcasieu River Bridge Repairs         | \$391,136                        |
|                                                           |                                                     | 44-27615, H.015714.6                        | IDIQ for Painting Inspection & Environmental Monitoring with CE&I, Statewide - I-110 NB @ Convention St. Fire Damage Repair | \$8,522                          |
|                                                           |                                                     | 44-17006, H.011670.6                        | I-10/Loyola Interchange Improvements, Jefferson Parish                                                                      | \$9,173                          |
|                                                           |                                                     | 44,24438, H.010673.6                        | US 90: Harvey Canal Tunnel Rehab (CE&I), Jefferson Parish                                                                   | \$22,256                         |
|                                                           |                                                     | 44-27349, H.003931.6                        | Calcasieu River Bridge (HBI) (CE&I), Calcasieu Parish                                                                       | \$14,458,413                     |
|                                                           |                                                     | 44-27349, H.016466.6                        | I-10 WB On-Off Sampson St Ramp Mods, Calcasieu Parish                                                                       | \$512,718                        |
|                                                           |                                                     | 44-31514, H.005967.6                        | IDIQ for Critical Path Method (CPM) Analysis Services, Statewide - Nelson Rd Ext & Bridge                                   | \$121,948                        |
|                                                           |                                                     | 44-31514, H.008145.6                        | IDIQ for Critical Path Method (CPM) Analysis Services, Statewide - LA 1: Leeville to Golden Meadow (Phase 2)                | \$291,877                        |
|                                                           |                                                     | 44-31514, H.012889.6                        | IDIQ for Critical Path Method (CPM) Analysis Services, Statewide - I-20 Rehab (Pines Road to I-220)                         | \$128,602                        |
| <b>Gulf South Research Corporation</b>                    | Environmental                                       | H.013284                                    | Mississippi River Bridge South Central                                                                                      | \$44,324                         |

| FIRM(s)<br>ALL FIRMS MUST BE<br>REPRESENTED IN THIS TABLE      | Past<br>Performance<br>Evaluation<br>Discipline(S)*            | Contract Number and State<br>Project Number                      | PROJECT NAME                                                                                                                                                                          | REMAINING<br>UNPAID<br>BALANCE** |
|----------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Innovative Contracting and Engineering Professional LLC</b> | Other (ICE, Construction Scheduling, Constructability Reviews) | 4400019581 Task Order No. 4; State Project No. H004774 & H007300 | Kansas Lane – Garrett Road Connector and I-20 Improvements                                                                                                                            | \$ 144,391                       |
| <b>Eustis Engineering L.L.C.</b>                               | Geotech                                                        | 4400024654/ H.015028.6 Task Order 1                              | LADOTD IDIQ Contract for Geotechnical Services Statewide, LA Highway 302: Bayou Barataria Bridge Replacement, Phase 1, Jefferson Parish                                               | \$51,000                         |
|                                                                | CE&I/OV                                                        | S.P./Task Order No. H.015028.6                                   | LADOTD LA 302: Bayou Barataria Bridge Replacement, Phase 1, Jefferson Parish, (Construction materials testing services and vibration monitoring)(Boh Bros. Subcontract No. 23210-009) | \$15,000                         |
|                                                                |                                                                | 4400021740/ H.004100.6                                           | LADOTD Roosevelt Boulevard, Intersection of West Napoleon Avenue to Intersection of West Metairie Avenue, Kenner                                                                      | \$5,000                          |
|                                                                |                                                                | H.012867.6                                                       | LADOTD Urban System Project, South Larriviere Road, LA Highway 92 to Chemin Metairie Parkway, Youngsville                                                                             | \$1,000                          |
| <b>The Lakvold Group LLC</b>                                   | Appraiser                                                      | H.004100                                                         | LA 415 to Essen on I-10 and I-12; Phase I: Washington Street to Essen Lane, East Baton Rouge Parish, LA                                                                               | \$86,340                         |
|                                                                |                                                                | H.007811                                                         | Comite River Diversion Canal, Amite River and Tributaries, East Baton Rouge Parish, LA                                                                                                | \$20,800                         |
|                                                                |                                                                | H.003931                                                         | Interstate 10 Calcasieu River Bridge, Public – Private Partnership Project, Calcasieu Parish, LA                                                                                      | \$150,000                        |
|                                                                |                                                                | H.011909                                                         | Roundabout: US 71 at Boone Street, Vernon Parish, LA                                                                                                                                  | \$12,000                         |
|                                                                |                                                                | H.010960                                                         | LA 30 Roundabout at Tanger & I-10, Ascension Parish, LA                                                                                                                               | \$12,000                         |
| <b>Desire Line LLC</b>                                         | N/A                                                            | N/A                                                              | N/A                                                                                                                                                                                   | N/A                              |
| <b>Forte and Tablada, Inc.</b>                                 | Bridge, Survey                                                 | 4400021594/H.011965.6                                            | Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)                                                                                                                         | \$47,688                         |
|                                                                |                                                                | 4400024589/H.014990.5                                            | OSBR S. Tiger Bend Rd & East Achord Rd Bridges                                                                                                                                        | \$41,837                         |
|                                                                |                                                                | 4400013387/H.013137.5                                            | OSBR Ouachita                                                                                                                                                                         | \$23,249                         |
|                                                                |                                                                | 4400019864/H.014318.5                                            | OSBR Gurney Road Bridges                                                                                                                                                              | \$4,708                          |
|                                                                | Bridge                                                         | 4400021594/H.009859.5                                            | Task Order No. 6 - Load Rate Selected Statewide Bridges                                                                                                                               | \$903,945                        |
|                                                                |                                                                | 4400021594/H.009730.5                                            | Task Order No. 8 - In-Depth Bridge Inspections                                                                                                                                        | \$117,677                        |
|                                                                |                                                                | 4400021594/H.015546.6                                            | Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou                                                                                                                             | \$5,244                          |
|                                                                |                                                                | 4400021594/H.009859.5                                            | Task Order No. 10 - Statewide Bridge Rating                                                                                                                                           | \$890,877                        |
|                                                                |                                                                | 4400023921/H.015519.6                                            | Task Order No. 5 - Smith Road over Red Chute Bayou                                                                                                                                    | \$9,024                          |
|                                                                |                                                                | 4400025037/H.014994.5                                            | OSBR Bonne Idee Rd over Bonne Bayou                                                                                                                                                   | \$3,487                          |
|                                                                |                                                                | 4400024586/H.014981.5                                            | OSBR Hosston River Road                                                                                                                                                               | \$5,689                          |

| FIRM(s)<br>ALL FIRMS MUST BE<br>REPRESENTED IN THIS TABLE | Past<br>Performance<br>Evaluation<br>Discipline(S)* | Contract Number and State<br>Project Number | PROJECT NAME                                | REMAINING<br>UNPAID<br>BALANCE** |
|-----------------------------------------------------------|-----------------------------------------------------|---------------------------------------------|---------------------------------------------|----------------------------------|
| <b>Forte and Tablada, Inc.</b>                            | Road                                                | 4400024641/H.005734.5                       | LA 447 Corridor                             | \$50,843                         |
|                                                           | CE&I/OV                                             | 4400023837/H.013714.6                       | Valhi Blvd Shared-Use Path (Houma)          | \$99,071                         |
|                                                           | Survey                                              | 4400021974/H.016401.5                       | I-10: I-55 & US 51 Intch Ltg. (LaPlace)     | \$63,337                         |
|                                                           |                                                     | 4400021532/H.010116.5                       | LA 1088: Soult & Trinity Roundabouts        | \$22,187                         |
|                                                           | Survey                                              | 4400021532/H.012059.5                       | LA 19: Bridges near Zachary                 | \$19,490                         |
|                                                           |                                                     | 4400021532/H.013195.5                       | LA 98 Curve Realignment                     | \$6,464                          |
|                                                           |                                                     | 4400021532/H.005734.5                       | LA 447 Corridor Study                       | \$109,275                        |
|                                                           |                                                     | 4400021532/H.012563.5                       | LA 73: Bayou Manchac Bridge (HBI)           | \$461                            |
|                                                           |                                                     | 4400027919/H.015587.5                       | LA 3211 @ Yokley Rd Roundabout              | \$14,063                         |
|                                                           |                                                     | 4400021532/H.004100.5                       | I-10: LA 415 to Essen on I-10 & I-12        | \$102,019                        |
|                                                           |                                                     | 4400031906/H.004791.6                       | LA 23: Belle Chasse Bridge & Tunnel (HBI)   | \$246,518                        |
|                                                           |                                                     | 4400030630/H.015724.5                       | Kings Hwy: Healthcare & Dev Corridor        | \$60,278                         |
|                                                           |                                                     | 4400025029/H.015341                         | D61(EBR) IIJA Off-System Bridge             | \$53,978                         |
|                                                           |                                                     | 4400025029/H.015341                         | D61(EBR) IIJA Off-System Bridge - SA 3      | \$9,113                          |
|                                                           |                                                     | H.004100                                    | I-10 Capital Corridor                       | \$5,760                          |
|                                                           |                                                     | 4400004128/H.004273.5                       | I-49 Connector Additional ROW               | \$6,692                          |
|                                                           |                                                     | 4400031228/H.015469.5                       | Shreveport Pavement Program                 | \$44,235                         |
| <b>GIS Engineering, L.L.C.</b>                            | Survey                                              | 4400021531; H.011829                        | IMP@LA 13 & LA 100 & I-10 Acc. Rd (Crowley) | \$16,119                         |
|                                                           |                                                     | 4400021531; H.014728                        | LA 20: LA 304 - LA 307                      | \$22,232                         |
|                                                           |                                                     | 4400021976; H.016507                        | US 90 over Wax Lake Outlet Scour Repair     | \$26,550                         |
|                                                           |                                                     | 4400021976; H.015308                        | I-49: Lafayette P/L – Evangeline P/L        | \$297,376                        |
|                                                           | Environmental                                       | 4400017438; H.013284.1                      | MRB South GBR: LA 1 to LA 30                | \$63,340                         |
|                                                           | CE&I/OV                                             | 4400021680; H.008145.6                      | LA 1: Leeville to Golden Meadow (Phase 2)   | \$1,526,389                      |
| (Add rows as needed)                                      |                                                     |                                             |                                             | DO NOT SUM                       |

\*The **only** past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify). If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

\*\* Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, please place N/A in the remaining unpaid balance column. NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

*To East - EJP / Palmisano Boulevard*



# SECTION 20

20. **Certifications/Licenses:** If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

### Stantec Consulting Services Inc.

3/10/26, 10:57 AM

Commercial - Search

State of  
Louisiana  
Secretary of  
State



COMMERCIAL DIVISION  
225.925.4704

Fax Numbers  
225.932.5317 (Admin. Services)  
225.932.5314 (Corporations)  
225.932.5318 (UCC)



U.S. Department  
Of Transportation  
Federal Highway  
Administration



## National Highway Institute Certificate of Training

**Scott Hoffeld**

*has participated in*  
**NEPA and Transportation  
Decision Making**

*hosted by*  
LA DOTD/LTRC

**Location:** Baton Rouge, LA

**Hours of instruction:** 18

**Date:** September 12-14, 2006

*J.A. George, Deborah Smith*  
Instructor  
*Morgan Ayala*

Director, National Highway Institute  
Federal Highway Administration

*Sandra Romero*  
Coordinator  
*J.H.K.*  
Director, Office of Professional Development  
Federal Highway Administration

| Name                             | Type                                 | City   | Status |
|----------------------------------|--------------------------------------|--------|--------|
| STANTEC CONSULTING SERVICES INC. | Business Corporation (Non-Louisiana) | ALBANY | Active |

#### Previous Names

STANTEC CONSULTING GROUP INC. (Changed: 4/12/2005)

STANTEC CONSULTING GROUP, INC. (Changed: 4/12/2005)

THE SEAR-BROWN GROUP, INC. (Changed: 4/12/2005)

**Business:** STANTEC CONSULTING SERVICES INC.

**Charter Number:** 34554273F

**Registration Date:** 3/17/1997

#### Domicile Address

80 STATE STREET  
ALBANY, NY 12207

#### Mailing Address

10220 - 103 AVENUE NW  
SUITE 300  
EDMONTON, AB, T5J 0K4  
CANADA

#### Principal Business Office

410 17TH STREET  
SUITE 1400  
DENVER, CO 80202

#### Registered Office in Louisiana

450 LAUREL STREET, 8TH FLOOR  
BATON ROUGE, LA 70801

#### Principal Business Establishment in Louisiana

1340 POYDRAS STREET  
SUITE 1420  
NEW ORLEANS, LA 701121274

#### Status

**Status:** Active

**Annual Report Status:** In Good Standing

**Qualified:** 3/17/1997

**Last Report Filed:** 3/8/2026

**Type:** Business Corporation (Non-Louisiana)

## THE ACADEMY OF BOARD CERTIFIED ENVIRONMENTAL PROFESSIONALS

ATTESTS THAT

**SCOTT HOFFELD**

IS HEREBY DECLARED TO BE A

**CERTIFIED ENVIRONMENTAL PROFESSIONAL**

IN

**DOCUMENTATION**

BY THE CERTIFICATION REVIEW BOARD  
ACTING UNDER THE AUTHORITY OF THE BOARD OF TRUSTEES

*Elizabeth R. Johnson*  
PRESIDENT, ABCEP



*K. M. Thorne*  
CHAIRPERSON, CERTIFICATION REVIEW BOARD

CERTIFICATION NUMBER: 2040408

CERTIFIED SINCE: 6/19/2002

All CEPs must renew their certification annually by submitting their annual payment and annual maintenance hours each year.



**National Highway Institute**

# **Certificate of Training**

**Scott Hoffeld**



*has participated in*

**FHWA - NHI Course No. 142073**

**Applying Section 4(f): Putting Policy into Practice (2 Days)**

*Number of*

**LA DOTD/LTRC**

**Date:** September 16-17, 2015

**Hours of Instruction:** 14

**Location:** Baton Rouge, LA

*Debra L. Smith*  
Instructor

*Allison H. Landry*  
Local Coordinator

*Nancy Skinner*  
Instructor

*Valerie Briggs*  
Valerie Briggs, Director  
National Highway Institute

*Cemile Hutto*

# **Certificate of Completion**

presented to

*Scott Hoffeld*

for completing the

## **Traffic Engineering Analysis Process & Report Module 2**

*Date:* March 10, 2021

*Location:* Baton Rouge, Louisiana

*Professional Development*

*Hours (PDHs) Awarded:* 3

*B. Smith*

*Authorized Instructor*

*Scott Hoffeld*

*Authorized Instructor*

*W. B.*

*Authorized instructor*



# **Certificate of Completion**

presented to

*Scott Hoffeld*

for completing the

## **Traffic Engineering Analysis Process & Report Module 1**

*Date:* March 10, 2021

*Location:* Baton Rouge, Louisiana

*Professional Development*

*Hours (PDHs) Awarded:* 3

*B. Smith*

*Authorized Instructor*

*Scott Hoffeld*

*Authorized Instructor*

*W. B.*

*Authorized instructor*



# **Certificate of Completion**

presented to

*Scott Hoffeld*

for completing the

## **Traffic Engineering Analysis Process & Report Module 3**

*Date:* March 11, 2021

*Location:* Baton Rouge, Louisiana

*Professional Development*

*Hours (PDHs) Awarded:* 3

*B. Smith*

*Authorized Instructor*

*Scott Hoffeld*

*Authorized Instructor*

*W. B.*

*Authorized instructor*





Gary Heitman  
has attended  
Louisiana Traffic Control Supervisor Refresher

Completed: 21-JUN-2024

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.  
This certificate provides proof of training, not certification.

American Traffic Safety Services Association  
ATSSA.com

## Certificate of Completion

presented to

*Mike Bruce*

for completing the

### Traffic Engineering Analysis Process & Report Module 2

Date: June 11, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 4

*Poly J. Calver*  
Authorized Instructor

*Jim Hitt*  
Authorized Instructor

*R. G. Brumfield*  
Authorized instructor



## Certificate of Completion

presented to

*Mike Bruce*

for completing the

### Traffic Engineering Analysis Process & Report Module 1

Date: June 4, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 4

*Poly J. Calver*  
Authorized Instructor

*Jim Hitt*  
Authorized Instructor

*R. G. Brumfield*  
Authorized instructor



## Certificate of Completion

presented to

*Mike Bruce*

for completing the

### Traffic Engineering Analysis Process & Report Module 3

Date: September 10, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 3

*Poly J. Calver*  
Authorized Instructor

*Jim Hitt*  
Authorized Instructor

*R. G. Brumfield*  
Authorized instructor



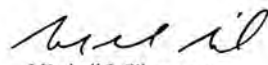
This certificate hereby qualifies

**Amy Sackaroff**

as a member with all the benefits of a Certified Planner and a commitment to the AICP Code of Ethics and Professional Conduct.

Certified Planner Number: 021939

  
Joel Albizo, FASAE, CAP  
Chief Executive Director

  
Mitchell J. Silver, FAICP  
President



American Institute  
of Certified Planners

*Creating Great Communities for All*

Verify: <https://www.credly.com/go/Q28FMp00>

## **Dana Taggart, RPA - Grad School Transcript, includes Cultural Resources Management Legislation Course, specifically NHPA (Section 106, 110), NEPA, NAGPRA and CEQA**

Page 1 of 1 **Unofficial Postbaccalaureate Transcript Name: Dana Taggart Student ID: 013664700**

Birthdate: XXXX-04-19 Institution Info: Humboldt State University Print Date: 2018-12-20 **Beginning of Postbaccalaureate Record**

### **SPR 2018**

Course Description Attempted Earned Grade Points ANTH 104 Cultural Anthropology 3.000 3.000 A 12.000 Attempted Earned GPA Units Points  
Term GPA 4.000 Term Totals 3.000 3.000 3.000 12.000  
HSU GPA 4.000 HSU Totals 3.000 3.000 3.000 12.000  
Cumulative GPA 4.000 Cum Totals 3.000 3.000 3.000 12.000

### **Good Standing**

### **SUM 2018**

Course Description Attempted Earned Grade Points ANTH 670 Intro to Applied Anthropology 2.000 2.000 A 8.000 ANTH 671 Methods in Applied Anth 3.000 3.000 A 12.000 ANTH 695 Field Research 2.000 2.000 A 8.000 Attempted Earned GPA Units Points

Term GPA 4.000 Term Totals 7.000 7.000 7.000 28.000  
HSU GPA 4.000 HSU Totals 10.000 10.000 10.000 40.000  
Cumulative GPA 4.000 Cum Totals 10.000 10.000 10.000 40.000

### **Good Standing**

### **FALL 2018**

Course Description Attempted Earned Grade Points ANTH 339 Special Topics Biol Anthro 4.000 4.000 A 16.000 Course Topic: Comparative Osteology ANTH 673 Anth Careers & Management 3.000 3.000 A 12.000 ANTH 678 Applied Anth Pro Seminar 1.000 1.000 A 4.000 REC 282 Diving 1st Aid, HSU Div Intro 1.000 1.000 CR 0.000 Attempted Earned GPA Units Points

Term GPA 4.000 Term Totals 9.000 9.000 8.000 32.000  
HSU GPA 4.000 HSU Totals 19.000 19.000 18.000 72.000  
Cumulative GPA 4.000 Cum Totals 19.000 19.000 18.000 72.000

### **SPR 2019**

Course Description Attempted Earned Grade Points ANTH 390 World Regions Cultural Seminar 4.000 0.000 0.000 Course Topic: Mediterranean Archaeology ANTH 654 Cultural Resources Management 3.000 0.000 0.000 ANTH 674 Research Project Design 3.000 0.000 0.000 ANTH 678 Applied Anth Pro Seminar 1.000 0.000 0.000 ANTH 682 Anth Internship / Field Place 3.000 0.000 0.000 Attempted Earned GPA Units Points

Term GPA 0.000 Term Totals 14.000 0.000 0.000 0.000  
HSU GPA 4.000 HSU Totals 33.000 19.000 18.000 72.000  
Cumulative GPA 4.000 Cum Totals 33.000 19.000 18.000 72.000

### **Postbaccalaureate Career Totals**

Attempted Earned GPA Units Points  
HSU GPA: 4.000 HSU Totals 33.000 19.000 18.000 72.000  
Cumulative GPA 4.000 Cum Totals 33.000 19.000 18.000 72.000

*End of Transcript*



CERTIFICATE OF COMPLETION

**Successfully Navigating Section  
106 Review: An Orientation for  
Applicants**

**Dana Taggart**

April 10, 2026

**Advisory Council on Historic Preservation**



Transportation Research Board  
RCEP Registered Continuing Education Provider

## Certificate of Completion

This certificate is presented to

**Adrienne Campbell**

for successfully completing

TRB Webinar: Section 106 of the National Historic Preservation Act: Update on Case Law

Number of Professional Development Hours (PDHs) Earned: 1.50

Date: Apr 11, 2019

This certificate attests to attendance and participation in the above titled learning activity.

Transportation Research Board  
500 Fifth Street NW  
Washington, DC 20001

**National Registry of Environmental Professionals®**

Operations Manager

P.O. Box 2099

Glenview, IL 60025

Additional information is available by phone or by e-mail:

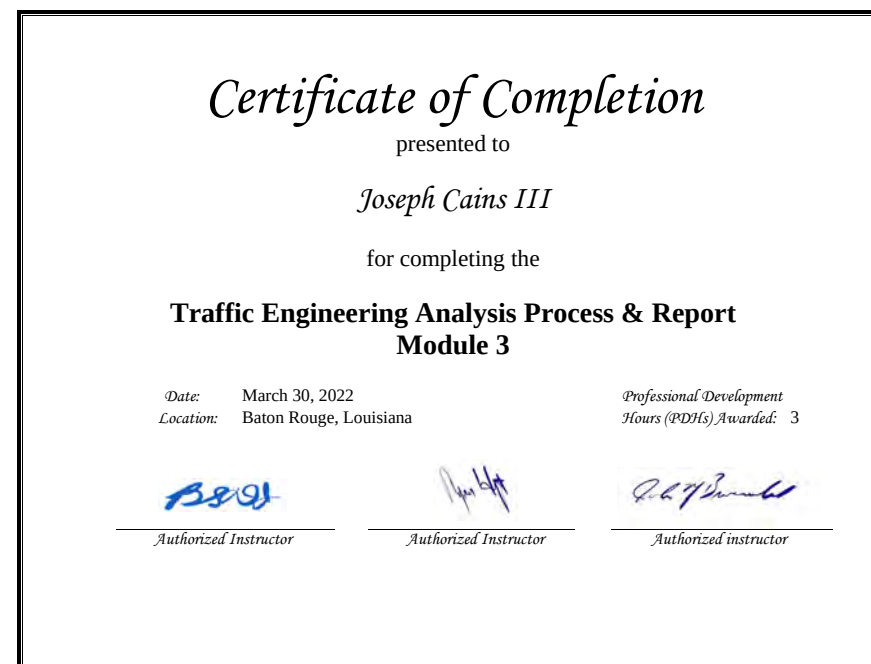
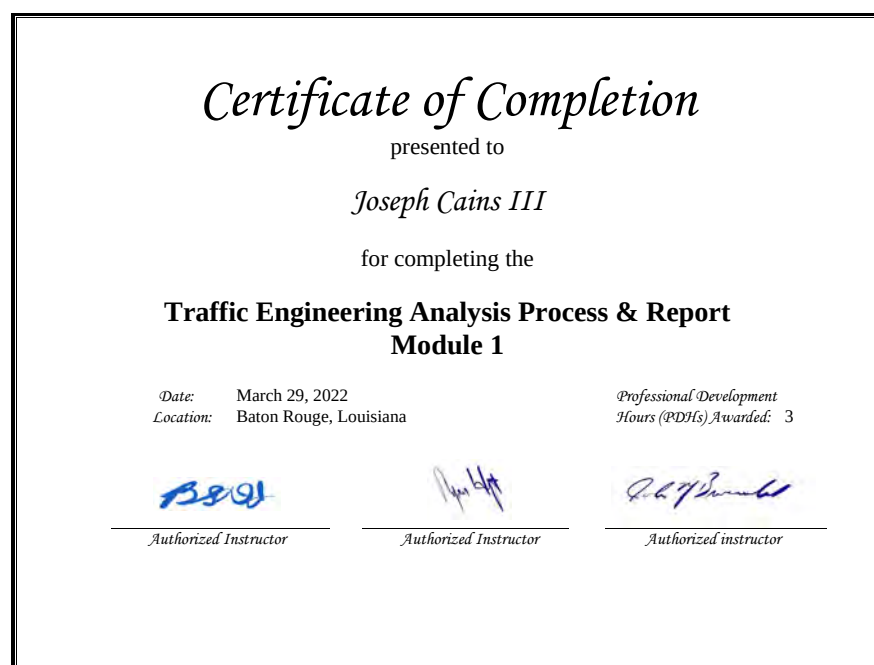
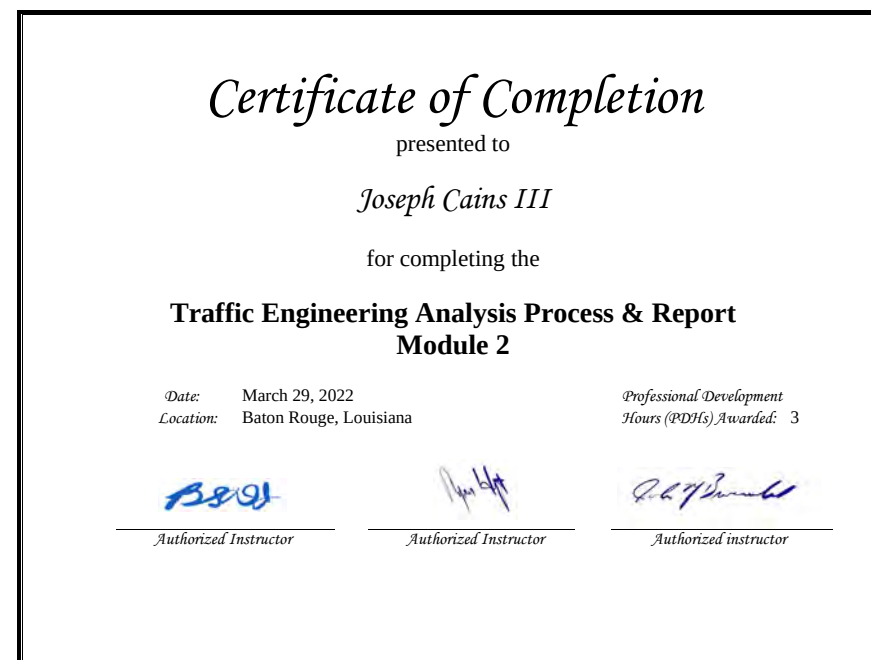
224-277-8594 and [customerservice@nrep.org](mailto:customerservice@nrep.org).**Certificate Number**

16946030676240812

Apply

Reset

**First Name:** Matthew**Last Name:** Kaller**Certificate:** CESCO - Certified Environmental and Safety Compliance Officer®**Certificate #:** 16946030676240812**Awarded:** 08/12/24**Expiration:** 10/27/28**Status:** Active





## PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Nick Prudhomme**  
has attended  
**Traffic Control Supervisor Refresher-LA State Specific**  
Training Course

6/24/2022 to 6/24/2026  
Training Valid Through

Baton Rouge, LA  
Location

*Laurel Smith*  
Director of Training  
*Shawn Tinsler*  
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.



American Traffic Safety Services Association ATSSA.com



## PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Joseph Lefante**  
has attended  
**Traffic Control Supervisor Refresher-LA State Specific**  
Training Course

6/24/2022 to 6/24/2026  
Training Valid Through

Baton Rouge, LA  
Location

*Laurel Smith*  
Director of Training  
*Shawn Tinsler*  
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.



American Traffic Safety Services Association ATSSA.com

## Transportation Professional Certification Board Inc.

*certifies that*

**Joseph Michael Lefante**

*has met all of the requirements established by the Certification Board  
to use the title of*

**PROFESSIONAL TRAFFIC OPERATIONS ENGINEER**

*unless withdrawn by the Certification Board and subject to the provisions for renewal.*

*Certificate number 3560 issued in Washington, D.C., U.S.A.*

*November 20, 2013*

*Timothy D. Harpist*  
Chair



*James W. White*  
Executive Director

## Certificate of Completion

presented to

*Joey Lefante*

for completing the

**Traffic Engineering Analysis Process & Report  
Module 1**

Date: July 16, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 2

*Joey Lefante*  
Authorized Instructor

*Joey Lefante*  
Authorized Instructor

*Joey Lefante*  
Authorized instructor



# Certificate of Completion

presented to

*Joey Lefante*

for completing the

## Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 3

*Joey Lefante*  
Authorized Instructor

*Joey Lefante*  
Authorized Instructor

*Joey Lefante*  
Authorized instructor



## The Transportation Professional Certification Board

Certifies that

**Joseph Barker, P.E., PTOE**

successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 11/20/2017

Certification Valid Through: 11/20/2026

*Steve Kuciemba*

Steve Kuciemba,  
Executive Director and CEO

*Joseph C. Balskus*

Joseph C. Balskus, P.E., PTOE, RSP1  
TPCB Chair

Certification Number: 4364

# Certificate of Completion

presented to

*Joey Lefante*

for completing the

## Traffic Engineering Analysis Process & Report Module 3

Date: October 18, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 3

*Joey Lefante*  
Authorized Instructor

*Joey Lefante*  
Authorized Instructor

*Joey Lefante*  
Authorized instructor



# Certificate of Completion

presented to

*Joseph Barker*

for completing the

## Traffic Engineering Analysis Process & Report Module 1

Date: July 30, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 2.5

*Joey Lefante*  
Authorized Instructor

*Joey Lefante*  
Authorized Instructor

*Joey Lefante*  
Authorized instructor



# Certificate of Completion

presented to

*Joseph Barker*

for completing the

## Traffic Engineering Analysis Process & Report Module 2

Date: August 6, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 3

*John J. Colburn*  
Authorized Instructor

*John J. Colburn*  
Authorized Instructor

*John J. Colburn*  
Authorized instructor



The Transportation Professional Certification Board

Certifies that

**Dr. Stephen A. Mensah, PhD, P.E., PTOE, RSP1**

successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 11/18/2015

Certification Valid Through: 11/18/2027

*Steve Kuciemba*

Steve Kuciemba,  
Executive Director and CEO

*Joseph C. Balskus*

Joseph C. Balskus, P.E., PTOE, RSP1  
TPCB Chair

Certification Number: 3960

# Certificate of Completion

presented to

*Joseph Barker*

for completing the

## Traffic Engineering Analysis Process & Report Module 3

Date: October 18, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 3

*John J. Colburn*  
Authorized Instructor

*John J. Colburn*  
Authorized Instructor

*John J. Colburn*  
Authorized instructor



Transportation Professional Certification Board Inc.

*certifies that*

**Stephen A. Mensah**

*has met all of the requirements established by the Certification Board  
to use the title of*

**PROFESSIONAL TRAFFIC OPERATIONS ENGINEER**

*unless withdrawn by the Certification Board and subject to the provisions for renewal.*

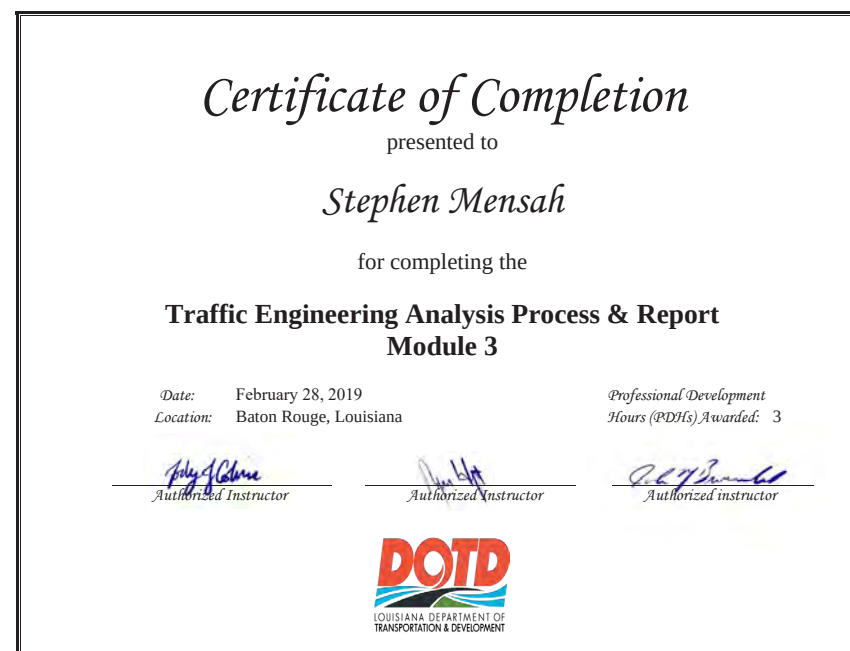
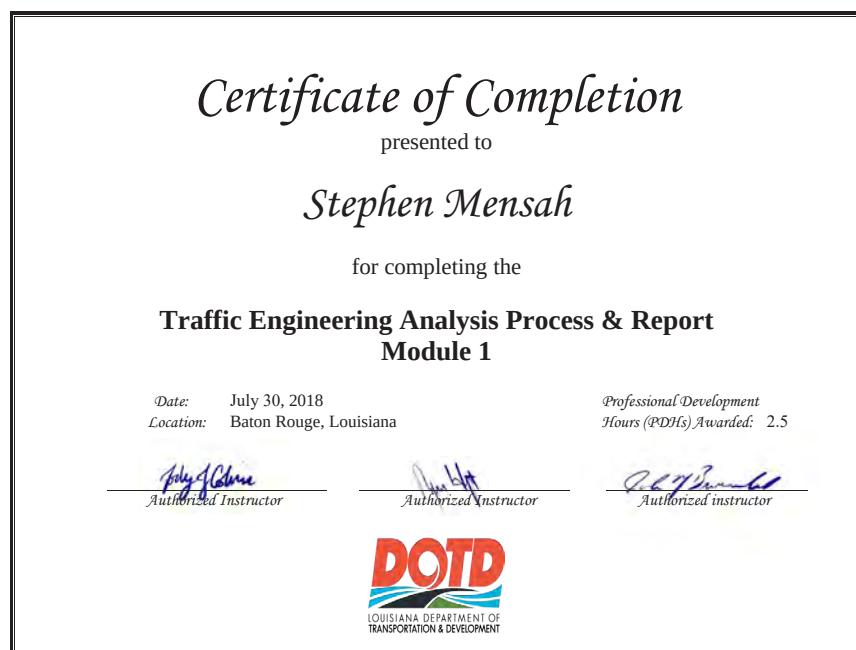
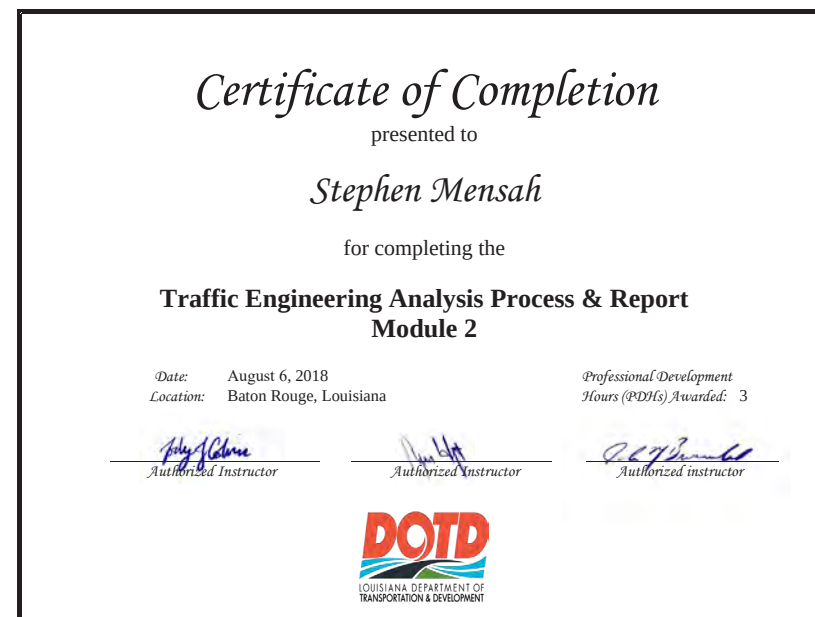
*Certificate number 3960 issued in Washington, D.C., U.S.A.*

*November 18, 2015*

*Remond W. Blount*  
Chair



*Joseph C. Balskus*  
Executive Director



**G.E.C., Inc.**


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**SECRETARY OF STATE**  
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| Name         | Type                 | City        | Status |
|--------------|----------------------|-------------|--------|
| G.E.C., INC. | Business Corporation | BATON ROUGE | Active |

**Previous Names**

**Business:** G.E.C., INC.

**Charter Number:** 34458378D

**Registration Date:** 3/15/1994

**Domicile Address**

8282 GOODWOOD BLVD.  
BATON ROUGE, LA 70806

**Mailing Address**

C/O CARY GOSS  
8282 GOODWOOD BLVD.  
BATON ROUGE, LA 70806

**Principal Office Address**

8282 GOODWOOD BLVD.  
BATON ROUGE, LA 70806

**Status**

**Status:** Active

**Annual Report Status:** In Good Standing

**File Date:** 3/15/1994

**Last Report Filed:** 3/18/2026

**Type:** Business Corporation

**Certificate of Completion**

presented to

*Bliss Bernard*

for completing the

**Traffic Engineering Analysis Process & Report  
Module 1****Date:** January 29, 2020**Location:** Baton Rouge, Louisiana**Professional Development****Hours (PDHs) Awarded:** 2.5*Poly J. Colina*  
Authorized Instructor*Bliss Bernard*  
Authorized instructor*Bliss Bernard*  
Authorized instructor**Certificate of Completion**

presented to

*Bliss Bernard*

for completing the

**Traffic Engineering Analysis Process & Report  
Module 2****Date:** January 29, 2020**Location:** Baton Rouge, Louisiana**Professional Development****Hours (PDHs) Awarded:** 3.5*Poly J. Colina*  
Authorized Instructor*Bliss Bernard*  
Authorized instructor*Bliss Bernard*  
Authorized instructor**Certificate of Completion**

presented to

*Bliss Bernard*

for completing the

**Traffic Engineering Analysis Process & Report  
Module 3****Date:** January 30, 2020**Location:** Baton Rouge, Louisiana**Professional Development****Hours (PDHs) Awarded:** 3.5*Poly J. Colina*  
Authorized Instructor*Bliss Bernard*  
Authorized instructor*Bliss Bernard*  
Authorized instructor

# Certificate of Completion

presented to

*Christopher Nipper*

for completing the

## Traffic Engineering Analysis Process & Report Module 1

Date: October 1, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 2.5

*[Signature]*  
Authorized Instructor

*[Signature]*  
Authorized Instructor

*[Signature]*  
Authorized instructor



# Certificate of Completion

presented to

*Christopher Nipper*

for completing the

## Traffic Engineering Analysis Process & Report Module 3

Date: December 3, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 3

*[Signature]*  
Authorized Instructor

*[Signature]*  
Authorized Instructor

*[Signature]*  
Authorized instructor



# Certificate of Completion

presented to

*Christopher Nipper*

for completing the

## Traffic Engineering Analysis Process & Report Module 2

Date: November 26, 2018  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 3.5

*[Signature]*  
Authorized Instructor

*[Signature]*  
Authorized Instructor

*[Signature]*  
Authorized instructor



Gulf South Research Corporation



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| Name                            | Type                 | City        | Status |
|---------------------------------|----------------------|-------------|--------|
| GULF SOUTH RESEARCH CORPORATION | Business Corporation | BATON ROUGE | Active |

Previous Names  
Business: GULF SOUTH RESEARCH CORPORATION  
Charter Number: 34151572D  
Registration Date: 8/6/1984

Domicile Address  
8081 INNOVATION PARK DRIVE  
BATON ROUGE, LA 70820

Mailing Address  
8081 INNOVATION PARK DRIVE  
BATON ROUGE, LA 70820

Principal Office Address  
8081 INNOVATION PARK DRIVE  
BATON ROUGE, LA 70820

Status  
Status: Active  
Annual Report Status: In Good Standing  
File Date: 8/6/1984  
Last Report Filed: 7/7/2025  
Type: Business Corporation



LOUISIANA UNIFIED CERTIFICATION PROGRAM

**Disadvantaged Business Enterprise Program (DBE)**

**Small Business Element (SBE)**

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations  
& under the State of Louisiana United Certification Program (LAUCP)

**Gulf South Research Corporation**

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

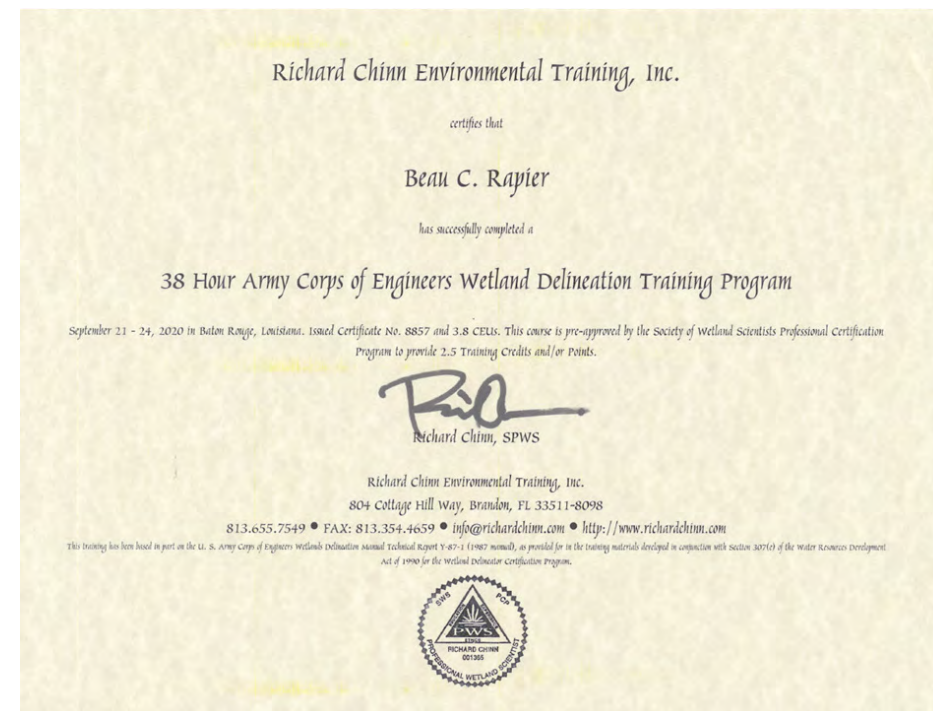
**NC541620**

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

**Certificate Eligibility: June 2025 to June 2026**

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

  
**Paula Roddy, Compliance Programs Director**  
Louisiana Department of Transportation & Development





John Lindemuth  
has attended  
Louisiana Traffic Control Supervisor

Completed: 10-JUL-2025

CEU (If Applicable): 1.5

ATSSA provides training and certification but neither constitutes employment by ATSSA.  
This certificate provides proof of training, not certification.

American Traffic Safety Services Association  
ATSSA.com



# WETLAND TRAINING INSTITUTE, INC.

171 Golden Drive  
Briggsville, WI 53920  
(608: 981-2150)  
c.j.newling@att.net  
www.wetlandtraining.com

January 22, 2013

SUBJECT: Verification of attendance and completion of the  
Basic Wetland Delineation course by Howard Nass.

To Whom It May Concern:

This is to verify that Howard Nass attended and successfully completed the Basic Wetland Delineation course conducted by the Wetland Training Institute during the period of November 17-20, 1992 in Houston, TX of which I served as the lead instructor. If you have any questions, please, feel free to contact me at my home office. My contact information is listed in the heading above.

Sincerely,

Charles J. Newling, PWS, CWB, CWD  
Senior Vice-President

Eustis Engineering LLC



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| Name                      | Type                      | City     | Status |
|---------------------------|---------------------------|----------|--------|
| EUSTIS ENGINEERING L.L.C. | Limited Liability Company | METAIRIE | Active |

Previous Names

EUSTIS ENGINEERING SERVICES, L.L.C. (Changed: 3/31/2016)

Business: EUSTIS ENGINEERING L.L.C.

Charter Number: 36251453K

Registration Date: 8/17/2006

Domicile Address

3011 28TH STREET  
METAIRIE, LA 700026019

Mailing Address

C/O GWENDOLYN P. SANDERS  
3011 28TH ST.  
METAIRIE, LA 700026019

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 8/17/2006

Last Report Filed: 7/23/2025

Type: Limited Liability Company

Innovative Contracting and Engineering Professional LLC



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| Name                                                                          | Type                                      | City     | Status |
|-------------------------------------------------------------------------------|-------------------------------------------|----------|--------|
| INNOVATIVE CONTRACTING AND ENGINEERING PROFESSIONAL LIMITED LIABILITY COMPANY | Limited Liability Company (Non-Louisiana) | HIGHLAND | Active |

**Previous Names**

**Business:** INNOVATIVE CONTRACTING AND ENGINEERING PROFESSIONAL LIMITED LIABILITY COMPANY

**Charter Number:** 42417710Q

**Registration Date:** 10/14/2016

**Domicile Address**

5513 W 11000 N, #501  
HIGHLAND, UT 84003

**Mailing Address**

201 RUE BEAUREGARD STE 202  
LAFAYETTE, LA 70508

**Principal Business Office**

201 RUE BEAUREGARD STE 202  
LAFAYETTE, LA 70508

**Registered Office in Louisiana**

201 RUE BEAUREGARD, STE. 202  
LAFAYETTE, LA 70508

**Principal Business Establishment in Louisiana**

201 RUE BEAUREGARD STE 202  
LAFAYETTE, LA 70508

**Status**

**Status:** Active

**Annual Report Status:** In Good Standing

**Qualified:** 10/14/2016

**Last Report Filed:** 9/30/2025

**Type:** Limited Liability Company (Non-Louisiana)

Desire Line LLC

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| Name            | Type                      | City     | Status |
|-----------------|---------------------------|----------|--------|
| DESIRE LINE LLC | Limited Liability Company | METAIRIE | Active |

**Previous Names**

Business: DESIRE LINE LLC  
 Charter Number: 44542527K  
 Registration Date: 8/9/2021

**Domicile Address**

3813 DIVISION STREET, UNIT A  
 METAIRIE, LA 70002

**Mailing Address**

1348 CHICKASAW AVENUE  
 METAIRIE, LA 70005

**Status**

Status: Active  
 Annual Report Status: In Good Standing  
 File Date: 8/9/2021  
 Last Report Filed: 7/10/2025  
 Type: Limited Liability Company

---

## Notice Regarding DBE Certification Status During IFR Reevaluation

---

From Amis Nolan <[amisn@flymsy.com](mailto:amisn@flymsy.com)>

Date Wed 3/11/2026 2:42 PM

We hope this message finds you well.

## REMINDER

During the IFR (Interim Final Rule) reevaluation process, it's important to note that all Disadvantaged Business Enterprises (DBEs) that were certified prior to October 2025 will maintain their certification status throughout the entire review period. This means that your certification will continue to be valid and recognized while the reevaluation is taking place.

If you have any questions or if you need further information about the process, don't hesitate to reach out to our office. We're here to assist you with any inquiries you may have.

Thank you for your cooperation during this time.

Sincerely,



**Amis J. Nolan, MA, ECMCA**  
**Airport Service Agent**  
**Community Engagement & Compliance**  
Louis Armstrong New Orleans International Airport  
New Orleans Aviation Board  
P.O. Box 20007 | New Orleans, LA 70141  
[amisn@flymsy.com](mailto:amisn@flymsy.com)  
Office: 504.303.7742



**DIVISION OF SMALL BUSINESS SERVICES**

This certification acknowledges that

**The Lakvold Group, LLC**

is Certified-Active as a Small Entrepreneurship with  
Louisiana Economic Development's Hudson Initiative.

This certification is valid from 1/21/2026 to 1/21/2027 .

Certification No. 9533

A handwritten signature in black ink that reads "Stephanie Hartman". The signature is written in a cursive, flowing style.

Stephanie Hartman,  
Director, Entrepreneurial Services

Forte & Tablada, Inc.



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| Name                    | Type                 | City        | Status |
|-------------------------|----------------------|-------------|--------|
| FORTE AND TABLADA, INC. | Business Corporation | BATON ROUGE | Active |

**Previous Names**

Business: FORTE AND TABLADA, INC.  
Charter Number: 25306090D  
Registration Date: 2/8/1961

**Domicile Address**

9107 INTERLINE AVE.  
BATON ROUGE, LA 70809

**Mailing Address**

9107 INTERLINE AVE.  
BATON ROUGE, LA 70809

**Principal Office Address**

9107 INTERLINE AVE.  
BATON ROUGE, LA 70809

**Status**

Status: Active  
Annual Report Status: In Good Standing  
File Date: 2/8/1961  
Last Report Filed: 1/12/2026  
Type: Business Corporation



Bradley Holleman  
has attended  
Louisiana Traffic Control Supervisor Refresher

Completed: 10-JAN-2025

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.  
This certificate provides proof of training, not certification.

American Traffic Safety Services Association  
ATSSA.com



Brent Campbell  
has attended  
National Flagger Certification Training Course

Completed: 14-JUN-2024

CEU (If Applicable): 0

ATSSA provides training and certification but neither constitutes employment by ATSSA.  
This certificate provides proof of training, not certification.

American Traffic Safety Services Association  
ATSSA.com

**GIS Engineering LLC**



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| Name                    | Type                      | City     | Status |
|-------------------------|---------------------------|----------|--------|
| GIS ENGINEERING, L.L.C. | Limited Liability Company | GALLIANO | Active |

**Previous Names**

**Business:** GIS ENGINEERING, L.L.C.  
**Charter Number:** 42116621K  
**Registration Date:** 12/28/2015

**Domicile Address**  
18838 HWY 3235  
GALLIANO, LA 70354

**Mailing Address**  
P.O. BOX 820  
18838 HWY 3235  
GALLIANO, LA 70354

**Status**  
**Status:** Active  
**Annual Report Status:** In Good Standing  
**File Date:** 12/28/2015  
**Last Report Filed:** 12/1/2025  
**Type:** Limited Liability Company

**The Lakvold Group LLC:**



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| Name                  | Type                      | City        | Status |
|-----------------------|---------------------------|-------------|--------|
| THE LAKVOLD GROUP LLC | Limited Liability Company | BATON ROUGE | Active |

**Previous Names**

**Business:** THE LAKVOLD GROUP LLC  
**Charter Number:** 34882713K  
**Registration Date:** 1/24/2000

**Domicile Address**

4520 JAMESTOWN AVENUE, SUITE 6  
BATON ROUGE, LA 70808

**Mailing Address**

C/O 4520 JAMESTOWN AVENUE, SUITE 6  
ANGELA LEMOINE-LAKVOLD  
BATON ROUGE, LA 70808

**Status**

**Status:** Active  
**Annual Report Status:** In Good Standing  
**File Date:** 1/24/2000  
**Last Report Filed:** 12/26/2025  
**Type:** Limited Liability Company



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

**The Lakvold Group, LLC**

is Certified-Active as a Small Entrepreneurship with Louisiana Economic Development's Hudson Initiative.

This certification is valid from 2/20/2025 to 2/20/2026.

Certification No. 9533

A handwritten signature in black ink, appearing to read 'Stephanie Hartman'.

Stephanie Hartman,  
Director, Entrepreneurial Services



## The International Right of Way Association



Hereby certifies that

**Angela Lemoine-Lakvold, R/W-AC**

has successfully completed the exam, experience and course curriculum requirements for this certification demonstrating the aptitude to understand, communicate and perform within standards of the right of way profession as required by the Credentialing Committee for the discipline, and is authorized as

**Right of Way - Appraisal Certified**

Certified: 01/01/2012

Recertification Due: 01/01/2027



Judy Jones, SR/WA  
 International President

Elizabeth Smith, SR/WA  
 Vice Chair, International Professional  
 Education Committee





*To SW - EJP / Palmisano Boulevard*

# **SECTIONS 21 - 23**

21. **QA/QC Plan and/or Work Plan:**

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.

Please see the attached QA/QC Plan on the following pages.

## **Quality Management Plan**

**CONTRACT NO. 4400035009**

**ST. BERNARD LIT CORRIDOR**

**STATE PROJECT NO. H.015428.2**

**F.A.P. NO. H015428**

**ROUTE: NEW ROADWAY**

**ST. BERNARD PARISH**

Stantec Project No.: TBD



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Scott Hoffeld, CEP – Project Manager

**Document Date: April 15, 2026**

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QUALITY MANAGEMENT PLAN  
CONTRACT NO. 4400035009  
STATE PROJECT NO. H.015428.2  
F.A.P. NO. H015428  
ROUTE: NEW ROADWAY  
ST. BERNARD PARISH

|                                              |                                                 |    |
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## Foreword

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Stantec recognizes the importance of quality on the St. Bernard LIT Corridor. We are committed to developing, implementing and adhering to a detailed Quality Management Plan for all services provided as part of the Project. In addition, since the Project has a large roadway component, our team is committed to the principles dictated in the LADOTD, Road Design Section, "Construction Plans Quality Control / Quality Assurance Manual".

This Quality Management Plan (QMP) is a "living document". As such, it will periodically be reviewed for performance and amended as necessary to achieve the quality commitments and goals. This QMP will also be amended as the Project moves into future phases of development.

In our commitment to quality, this **Quality Management Plan (QMP)** will satisfy all criteria by:

- A. Creating guidelines, processes and protocols which clearly demonstrate that QC/QA is the full responsibility of our team and not a responsibility of the LADOTD.
- B. Creating clear definitions of responsibility for our designers, checkers, reviewers, and various professionals of record.
- C. Assigning designers and QC/QA personnel to the Project, who are exceedingly qualified to perform the work required of the Project.
- D. Creating Project specific processes and protocols which are clearly described and effective in ensuring accuracy in our design and plan details.
- E. Creating all the necessary QC/QA tools, such as checklists, standard forms and training materials. All our QC/QA tools will be well documented and well suited to the scope and the complexity of the Project.
- F. Creating a focus on the QC/QA concepts for the design elements of the Project by defining specific quality procedures for the major structures of the Project; describing how the QMP will support quality work for the Project; and creating clear definitions of QC/QA.
- G. Provide training to all personnel working on the Project specific to their role in the Project.

The goals of the QMP for the St. Bernard LIT Corridor are to:

- Increase the probability of meeting the LADOTD's expectations in terms of the finished product
- Improve analysis and design solutions
- Provide adequate detail on plans
- Reduce errors in reports and plans
- Reduce constructability issues
- Maintain schedule through all project phases
- Allow for efficient and effective innovative solutions, materials and techniques
- Minimize community impacts
- Enhance worker and public safety
- Minimize construction related traffic disruptions
- Accurately mitigate impacts of unforeseen conditions and events

**QUALITY MANAGEMENT PLAN  
CONTRACT NO. 4400035009  
STATE PROJECT NO. H.015428.2  
F.A.P. NO. H015428  
ROUTE: NEW ROADWAY  
ST. BERNARD PARISH**

This **QMP** conforms to the current LADOTD Road Design CONSTRUCTION PLANS QC-QA MANUAL and the current LADOTD BRIDGE DESIGN AND EVALUATION MANUAL (BDEM) for structural elements.

This **QMP** contains seven (8) appendixes:

- APPENDIX A: GUIDELINES FOR DESIGN & DOCUMENT PREPARATION
- APPENDIX B: GUIDELINES FOR PROCESSES
- APPENDIX C: QC CHECKLIST & COMMENT FORMS
- APPENDIX D: QA CHECKLIST & COMMENT FORMS
- APPENDIX E: INDEPENDENT REVIEW & COMMENT FORM
- APPENDIX F: LADOTD ROAD DESIGN QC/QA PLAN
  - F1: 30% PRELIMINARY ROADWAY PLANS QA CHECKLIST
  - F2: 60% PRELIMINARY ROADWAY PLANS QA CHECKLIST
  - F3: 90% PRELIMINARY ROADWAY PLANS (PRE-PLAN IN HAND) QA CHECKLIST
  - F4: ACP FINAL ROADWAY PLANS QA CHECKLIST
- APPENDIX G: NON-CONFORMANCE REPORT FORM

This **QMP** will be distributed to all team members and reviewed to confirm understanding. All team members will be trained so that they understand their role and obligation in implementing the QMP. All personnel shall be held accountable to these high standards.

## Revision Summary

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To be completed by document owner and/or originator of revisions prior to issue to team.

| Revision | Date      | Section | Summary of Revision   |
|----------|-----------|---------|-----------------------|
| 0        | 4/15/2026 |         | Transmitted to LADOTD |
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**QUALITY MANAGEMENT PLAN**  
**CONTRACT NO. 4400035009**  
**STATE PROJECT NO. H.015428.2**  
**F.A.P. NO. H015428**  
**ROUTE: NEW ROADWAY**  
**ST. BERNARD PARISH**

## Required Reading Form

**All members of the St. Bernard LIT Corridor Project Team – Designers, Checkers, Reviewers, and Professionals of Record shall become acquainted with the contents of this document and related attachments. As a record of responsibility of the team, and a record of accountability by Stantec, this form shall be maintained on the Project.**

[illegible]

## SECTION 1. UNDERSTANDING OUR ROLE

---

### 1.1 STANTEC PHILOSOPHY AND POLICY ON QUALITY (ISO 9001 5.1, 5.2 AND 5.3)

Stantec clearly understands, and believes, that the responsibility for Quality in our services and deliverables is 100% ours. In satisfying the LADOTD's Policy on QC and QA, this QMP creates a commitment to continual improvement of project execution, product quality and the reduction of quality related costs. We believe that RESPONSIBILITY is created through processes and guidelines that are integral to our team's thinking. We believe that ACCOUNTABILITY is created through purposeful reporting and measured results by our leaders. And we believe that SUCCESS is created by our team's ownership of the **QMP**. To this end, Stantec will provide experienced leadership, specifically tasked with developing, maintaining, enhancing and monitoring the performance of the overall system of quality for the St. Bernard LIT Corridor.

### 1.2 QUALITY MANAGEMENT PLAN PHILOSOPHY

A critical component of our **QMP** will be to ensure that all Stantec staff involved in the Project are aware of the **QMP** and committed to following its direction. Our QC/QA Manager is responsible for providing Project staff with a copy of the **QMP** and encouraging its use throughout the life of the Project. This goal will be accomplished through an initial training process supplemented with ongoing training to present process revisions based on the results of QC/QA reviews and Project audits. In addition to our **QMP**, each Project team member, regardless of his/her role, will be responsible for the quality of his/her own work and will be expected to provide an appropriate level of quality control on that work.

### 1.3 QUALITY MANAGEMENT PLAN PRINCIPLES

The guidance for quality management of Stantec projects will be based on three quality principles:

- Client focus
- Project processes
- Measurement, analysis and improvement

#### 1.3.1 Client Focus

Stantec knows and understands that our future depends on our Clients – which equates to satisfaction with our company and services. Therefore, our primary focus is to understand our Client's current and future needs, while continually striving to meet and exceed our Client's requirements and expectations.

For our Clients, our focus is on "**MAKING IT WORK**". We maintain this focus by:

- **Knowing our Client's View** – we strive to know what the expectations are within our Client's organization, including such things as design philosophy, cost expectations, and project purpose.
- **Knowing our Client's People** - we focus on relationships by knowing the point-of-contact for our Clients and understanding “who does he report to?”, or “what is her background on this type of project?”, or more personally “what makes him really excited? Or upset?”
- **Knowing our Client's Scope** – we strive to completely understand project requirements. We want to appreciate “what's behind that?” and pursue it until we get answers like, “that's very important to the project outcome,” or “that's crucial to project approval,” or “that's a particular area of project distinction”.
- **Knowing our Client's Risk** – we appreciate and attempt to understand our Client's important issues such as “what keeps him up at night?”; or “what will create problems for her?”; or in a positive way, understanding “what outcome will give greatest value”, or “what outcome will give greatest satisfaction.”

Another area of Client focus is critical attention to project **time, cost and deliverables**. Stantec understands that these three factors have an impact on each other and requires evaluation - taking into consideration our Clients' requirements and expectations. We realize that on some projects - or with some Clients - the balancing of these three factors can be particularly delicate. Client focus in these cases is all about our ability to communicate and deliver the basic project requirements while managing expectations and outcomes.

Our Client focus always involves **effective communication**. Our goal is to be continual and timely, thus creating and building confidence with our Client that their expectations are being met and value is being achieved.

Stantec's Client focus also includes **interfaces with all Stakeholders**. These interfaces are crucial to Project success in facilitating the exchange of information, as appropriate, throughout the project. Our focus on behalf of the Client includes resolution of any conflicts between project requirements and Stakeholders requirements – with Client requirements taking precedence, except in the case of statutory or regulatory requirements.

Our focus on “MAKING IT WORK” becomes the Project's Quality Objective - not only for deliverables, but also for our Client's needs and expectations. This Quality Objective outlines the path to a high level of Client satisfaction.

## STANTEC QUALITY CONTROL/QUALITY ASSURANCE CONCEPTS & DEFINITIONS

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Our concept for QC/QA on the St. Bernard LIT Corridor follows proven methods which include process controls, detailed QC procedures, QA reviews, and continual maintenance and updating of the **Project Design Criteria**. As a management tool of our **QMP**, quality audits and management reviews will also occur. The **QMP** is a living document that will be reviewed and amended throughout the Project cycle in a commitment to continual improvement.

Additionally, our **QMP** will support quality work through Independent Checks focused on Consistency, Constructability and Risk avoidance.

The following definitions of quality management, quality control and quality assurance will apply to the St. Bernard LIT Corridor.

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Checking Stamp</b>             | An electronic or rubber stamp to be affixed on all QC documents and to be used as part of the <b>Five Step Process</b> for all <b>QC Checking</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Five Step Procedure</b>        | A detailed checking procedure to be followed by <b>QC Checkers</b> , as needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Independent Review</b>         | <p>As part of the QA Review, an Independent Review will include one (or more) of the following:</p> <ul style="list-style-type: none"><li>• <b>Consistency review</b> of the plan details to assure uniformity of design, detailing, format and presentation;</li><li>• <b>Constructability review</b> of the plan details to identify possible design improvements to make construction easier, safer and less costly and/or reduce environmental impacts;</li><li>• <b>Operational Review</b> to understand how the Project functions, how it can be more user friendly and easier to maintain and how the design can be made more efficient; and,</li><li>• <b>Risk review</b> of areas of critical importance; areas where, based on the reviewer's experience, mistakes may be typically found; and areas that may be new to the design practice.</li></ul> |
| <b>Inter-Discipline Reviews</b>   | A review focused on specific discipline elements or coordination between different disciplines – includes survey, roadway and bridge; bridge and geotechnical; roadway and traffic; etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Management Review Meetings</b> | Review by Project leadership and QC/QA leadership to measure QC/QA compliance at various Project milestones. Review will also include                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

effectiveness of the **QMP** with the objective of continual improvement.

**Primary QC  
Signature**

Signature by Project Manager / Discipline Leader on all submittals and documents prepared under their control.

**Quality Control  
(QC) Submittal  
Checking**

Every work product requires a full review. Work products include plans, cost estimates, reports, evaluations, or studies. For the various submittals, responsibilities may include:

- **Checking** for completeness in accordance with guidelines approved by the Project Manager or Discipline Leader;
- **Ensuring** that the work product adequately and accurately presents the required information;
- **Verification** of all dimensions and quantity calculations;
- **Verification** of the accuracy of the preparer's work product;
- **Verification** that all design information is correctly and completely shown on the details and in accordance with the approved design calculations;
- **Verification** of conformance to standards of practice;
- **Verifications** of cost effectiveness & fitness for the purpose and function of the specified Project;
- **Performance** of CAD drawing reviews for formatting, layering and CAD Conform requirements; and
- **Performance** of redline checks of the work product (where deemed necessary); or production of an independent work product and comparison of the results.

**QC Design  
Checking**

A full review of the design calculations, survey calculations, software input and output, and cost estimates. Responsibilities will also include:

- **Verification** of the accuracy and adequacy of the preparer's work product;
- **Compliance** with specified codes, standards, and permits;
- **Conformance** to standards of practice;
- **Performance** of redline checks of the work product; or production of an independent work product and comparison of the results; and
- **Ensuring** that the work product adequately and accurately presents the required information. (The calculations of the Design Checker will also become a part of the calculation of record when independent checking calculations are produced.) (The Design Checker will not be the one who performed the original design.)

**Quality Assurance (QA) Review**

A review of QC documents to ensure that the QC process is complete and the work products (field rolls, designs, plans, cost estimates, reports, evaluations, and studies) are in accordance with the established Project practices, policies, and procedures.

**QA Information Package**

Package of Quality Control documentation submitted to the QA Reviewer. QA Information Packages will be prepared for all Project submittals and shall include appropriate designs, plans, cost estimates, reports, evaluations, or studies. QA Packages will include all QC documentation of the Project submittal such as calculations, plans, and estimates of probable construction costs and include checklists, comments and markups by the Project Professional, Design Checker and Detail Checker.

**Quality Management Plan (QMP)**

The documented requirements that establish and define responsibilities, performance measures, milestone audits and work procedures to ensure that the project deliverables meet predetermined requirements. It encompasses Quality Control, Quality Assurance, and Audit of the scope of work covered by the Project.

## SECTION 2. QUALIFICATIONS AND RESPONSIBILITIES OF STANTEC LEADERSHIP AND STAFF

---

The following qualifications and responsibilities will apply to the leadership and staff of the Stantec team on the St. Bernard LIT Corridor Project.

### Designer

Engineer (LA licensed PE or EI) directly tasked with the development of design calculations, drawings, and estimates of probable construction costs. Responsibilities will include:

- Understanding and following the Project Design Criteria;
- Developing, organizing and maintaining design calculations;
- Communicating with the detailer and supervising the detailing work to ensure adequate and accurate presentation of design information;
- Checking his own work; and
- Updating design calculations to correct any errors or omissions discovered by the Design Checker.

### Detailer

Individual directly responsible for the creation of CAD drawings. Responsibilities will include:

- Understanding of drawing formats;
- Understanding of layering requirements;
- Understanding of LADOTD's CAD Conform requirements; and
- Checking his own work for accuracy and completeness.

### Project Manager (and/or Deputy Project Manager)

Professional (LA licensed as required) tasked with the duty to lead the Stantec team, with the following experience and responsibilities:

- **Experience** – Professional with technical and management experience of projects with similar scope and magnitude.
- **Responsibilities**
  - Serve as overall project leader and liaison with the LADOTD;
  - Develop and monitor overall project scope, schedule and budget;
  - Identify and obtain approval of any scope changes (when required);
  - Monitor the overall project development, deadlines and deliverables;
  - Work and coordinate with all Discipline Leaders through the

- progression of the Project;
- Determine all required Inter-Discipline and Independent Review requirements of the Project;
  - Establish and monitor protocol and procedures for communications with LADOTD, stakeholders and Discipline Leaders;
  - Establish procedures for identifying and resolving project conflicts, constraints and other risks;
  - Conduct Project Reviews to identify and track key issues, and provide recommendations for function and efficiency improvements. (Depending on the magnitude and schedule of the Project, reviews can also be post-mortem.)
  - Monitor the overall QMP for QC/QA, including systems for tracking progress and completion;
  - Accept final work products;
  - Track and verify overall project archiving;
  - Sign, or delegate responsibility to sign, all Deliverable Release Forms.
  - Collaborate and effectively communicate with Stantec team;
  - Lead meetings, forums and discussions with LADOTD, stakeholders, and Discipline Leaders in Project development and Project decisions;
  - Assign and manage resources to execute the work in accordance with the Project schedule;
  - Ensure checking and review by appropriate senior individuals that all deliverables are in accordance with the Project Design Criteria, the QMP for QA/QC, and LADOTD standards.
  - Establish written agreement for the scope and budget for the Project;
  - Achieve budget through effective control of the work;
  - Provide prompt identification and submission for formal approval of all scope changes to the Client;
  - Archive all Project data and Project deliverables (including surveys, designs, plans, cost estimates, reports, and studies) in accordance with the QMP. Responsibility also includes records retention policy.

**Discipline Leader**

Professional (LA licensed as required) assigned to the specific discipline of the Project (Environmental, Surveying, Geometrics, Traffic, ITS, Roadway, or Bridge) and responsible for supervision and/or preparation of all deliverables and submittals as defined by the Project Scope for the assigned Discipline. Experience and responsibilities will include:

- **Experience** – Professional with experience in executing similar Discipline assignments.
- **Responsibilities**
  - Collaborate and communicate on a regular basis with the Project Manager;
  - Take full responsibility for providing Discipline scope and schedule;
  - Develop, update and implement the Project Design Criteria as related to the Discipline;
  - Oversee the development, organization and maintenance of design (where required) and submittals as related to the Discipline;
  - Identify activities required for completion of the work for the Discipline;
  - Maintain a project deliverable list for the Discipline;
  - Maintain matrix (or list) of staff assigned as originators and checkers of the work product by the Discipline;
  - Determine the necessary technical knowledge and experience required for all Discipline activities;
  - Lead and guide the Discipline staff required for execution;
  - Oversee all procedures and forms related to the Discipline;
  - Approve and validate all software used by the Discipline staff;
  - Develop (as required) and adhere to Process Guidelines (PG's);
  - Sub-consultant oversight (as assigned) within the Discipline;
  - Inter-discipline Reviews (IDR) - as initiator or participant;
  - Implement the **QMP** for QC and QA to be performed for the Discipline.

**Engineer-of-Record (EOR)**

Engineer (LA licensed PE), designated by the Project Manager, responsible for supervision and/or preparation of plans, sealing calculations, plans, and special provisions. (The EOR can be the Designer, Design Checker, QA Reviewer, or Project Manager - who is directly involved in the project design activities.) The responsibilities of the EOR include:

- Ensure the QC/QA certifications are signed by all responsible parties
- Assemble design calculations from all designers, finalize the calculation book, and seal the cover sheet of the calculation book.
- Ensure the names of the Designer, Design Checker, Detailer, Detail Checker, and QA Reviewer are correctly shown on the title block of each plan sheet.
- Stamp all plan sheets or designate a Designer, Design Checker, or QA Reviewer developed under their supervision.

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | <ul style="list-style-type: none"><li>• Ensure all special provisions are accurately shown on the construction proposal and stamped by the Specification Engineer (or by the EOR).</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Independent Reviewer (IR)</b> | Engineer (LA licensed PE) responsible for conducting a totally independent review of all Project documents and final deliverables. The Independent Reviewer and QA Reviewer may be the same and also occur at the same time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>QA Reviewer</b>               | Engineer, Surveyor or appropriate Professional (LA licensed PE or PLS where required) assigned QA Review responsibilities. The Reviewer must have experience related to the Project discipline.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>QC Design Checker</b>         | Engineer (LA licensed PE) assigned QC Design Checking responsibilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>QC Submittal Checker</b>      | Engineer, Surveyor or appropriate Professional (LA licensed PE or PLS where required) assigned QC Submittal Checking responsibilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>QC/QA Leader</b>              | <p>Engineer (LA licensed PE) responsible for coordinating the Quality Management practices across the Project and to ensure implementation of the <b>QMP</b> for the Project. Duties also include:</p> <ul style="list-style-type: none"><li>• <b>Establish</b> Process Controls and overall QMP for QA/QC;</li><li>• <b>Provide</b> QC and QA oversight;</li><li>• <b>Prepare</b> Quality Audit Reports (Proof of Compliance) to track quality trends, solicits feedback from the LADOTD on quality related issues;</li><li>• <b>Attend</b> Management Review Meetings conducted by the Project Manager and prepare report of findings and recommendations for improvement; and</li><li>• <b>Sign</b> Delivery Release Record attesting that all QC/QA documentation has been properly completed and authorized for release of the submittal.</li></ul> |

## SECTION 3. DESCRIPTION OF THE QC, QA & IR PROCESSES

---

### 3.1 QUALITY MANAGEMENT PLAN

The Quality Management Plan for the St. Bernard LIT Corridor Project includes formats and templates for QC and QA that have been successful on many past projects. Our QMP processes will also focus on the following:

- **High risk elements** which will include the structural steel spans, foundation systems, and sequence of construction;
- **Rigorous verification elements** such as project geometrics; and
- **Refinement elements** such as superstructures and substructures with a high level of repetition - where efficiency of detail could yield financial benefit.

#### 3.1.1 Project Meetings

Project meetings required for the St. Bernard LIT Corridor Project are as outlined and described in the Scope of Work. All project meetings will be guided by the principles and requirements as detailed in the **Process Guideline (Project Meetings)**.

#### 3.1.2 Process Control

As required for more complex projects, this document should outline all aspects of preconstruction activities, design guidelines, environmental requirements, permitting, specifications, right-of-way, utility relocations, estimates, and financial.

Process control may include the following:

- Identify, confirm, document and communicate objectives, deliverables, schedule, work plan, standards and analysis methodology
- Obtain confirmation, and approval where required - by the LADOTD and other stakeholders
- Confirm the information provided for project implementation is complete and accurate
- Review site conditions, particularly those areas where conflicts and constraints may affect design or constructability
- Maintain a documented, indexed and traceable record of all work in a format that allows the project team access to all pertinent project information
- Ensure all deliverables are signed and stamped in accordance with LADOTD requirements
- Provide all documentation to the designated quality control checkers and quality assurance reviewers, including Non-Conformance Reports

### 3.2 QUALITY CONTROL

Quality control (**QC**) is the responsibility of each individual undertaking a component of the work. To assist in this process, the **Project Manager** will establish as part of this **QMP** responsibilities and procedures for checking technical accuracy of the work, identifying and correcting any discrepancies, rejecting product not meeting requirements if necessary, and accepting the final work product as well as defining the frequency of implementing some or all of the procedure and reviewing procedural performance. It is expected that this procedure will include checks by individuals knowledgeable of the technical requirements for a particular activity and with the relevant qualifications and experience in the discipline.

**QC** reviews will be conducted for all submittals at the required LADOTD Milestones. The **Project Manager** will work with the **Discipline Leaders** to identify **QC** reviews and who will have responsibility for **QC** of these reviews. As part of the **QC** accountability, the **Discipline Leader** will be the **Primary QC Signature** on all submittals and documents prepared under their control. As part of this **QMP**, **Discipline Leaders** will be responsible for the following:

- Complete **Section 4** of the **QMP** by assigning **QC Design Checkers** and **QC Submittal Checkers** possessing the technical skills, relevant qualifications and experience required to complete these efforts;
- Utilize the checklists included in **Appendix A**, or create checklists to assist in the reviews and provide documentation of the review;
- For **QC Design & Submittal Checking**, a **Five Step Procedure** will be used. For this purpose, the **Checking Stamp** shown below will be used. The **Checking Stamp** is available as an electronic image or a rubber stamp which must be affixed to the documents.

|                    |             |                                                                                      |
|--------------------|-------------|--------------------------------------------------------------------------------------|
| SUBMITTAL:         |             |  |
| ORIGINATOR: _____  | DATE: _____ |                                                                                      |
| <hr/>              |             |                                                                                      |
| CHECKER: _____     | DATE: _____ |                                                                                      |
| BACKCHECKER: _____ | DATE: _____ |                                                                                      |
| CORRECTOR: _____   | DATE: _____ |                                                                                      |
| VERIFIER: _____    | DATE: _____ |                                                                                      |

**Checking Stamp**

### 3.2.1 Five Step Procedure

**Step 1.** Once **Designer & Detailer** complete calculations and plans a **Check Print Stamp** will be placed on calculations and plans indicating a submittal name/division. **Designer/Detailer (Originator)** will sign and date on calculations/plans, and will provide calculations and/or plan sets to the **Checker**.

**Step 2.** The **Checker** will indicate with a highlighter [yellow] that he agrees with, and use red marks [red] that he would like to make comments. **Checker** will sign and date the calculations and/or plan sheets being checked and give it to **Backchecker** (can be the same person as the **Originator**).

**Step 3.** **Backchecker** will go through all the comments made by the **checker**. If he agrees he would put a green check [green] beside the **Checker's** comments. But if the **Backchecker** disagrees with the **Checker's** comment he will resolve the disagreement with the **Checker**. If the **Checker's** comments needs to be changed the **Backchecker** will strike through the **Checker's** comments and update it using a **green pen**. The **Backchecker** will sign and date it.

**Step 4.** **Corrector** (can be the same person as the **Originator**) will correct all comments which are agreed upon. Once the correction is made he will circle the changes with a **green pen**. **Corrector** will sign and date it, he will give it to **Verifier**.

**Step 5.** **Verifier** (can be the same person as the **Checker**) will verify all changes, and will highlight the **green circles**. He will sign and date it to complete the process.

**Quality Control Records** will be checked documents (*including evidence of checking, evidence of verification, evidence of interdisciplinary review, and evidence of approval*), memoranda, meeting notes, or checklists specific to the task.

### 3.2.2 Quality Control (LADOTD Road Requirements)

Refer to Appendix 'F' for details on completing **LADOTD Road QC/QA**. These procedures are tailored to satisfy the **LADOTD, Road Design Section, "Construction Plans QC-QA Manual."** These procedures augment the procedures described herein and are **required for all LADOTD Road work products**.

**Quality Control (QC) Road** will have the responsibilities as detailed in Appendix 'F'. In addition, **QC (Road)** will also include:

- For the simple and moderately complex elements of the Project, create checklists to assist in the reviews and provide documentation of the review.
- For the high-risk elements and complex components of the Project, institute the use of QC by independent design teams, rather than line-by-line checking to make sure that both math and methodology are checked in an effective way.

- Create Process Guidelines (PG's) as the basic tool to define standards, outline technical approaches, and define the salient points and objectives of design. PG's will be developed by Discipline Leaders and other senior technical staff.

### 3.3 QUALITY ASSURANCE

As part of this **QMP**, the Quality Control/Quality Assurance (QC/QA) Manager will establish the following:

- Assign Quality Management Personnel (QA reviewers) for the Project and ensure these individuals possess the technical skills, relevant qualifications and experience required to complete the efforts (These individuals are summarized in Section 4);
- Verify that Quality Assurance (QA) Information Packages have been properly prepared for the QA reviewer's use;
- Complete the required QA certification (signed by the appropriate QA reviewer);
- Document QA reviewer's comments;
- Reconcile, and/or develop accepted course of action;
- Prepare QA Review Comment Form Reports or Non-Conformance Form Reports as appropriate to deal with issues noted in the review; and
- Confirm that all issues raised and actions identified are addressed.

### 3.4 INDEPENDENT REVIEW AND CONSTRUCTABILITY REVIEW

An independent individual/team will be identified to develop additional ideas to assure that enhance innovation and construction for the Project.

As part of the QA Review, an Independent Reviewer will be designated and identified in the Section 5, Quality Management (QC/QA) Personnel. The Independent Reviewer will perform consistency, constructability and risk reviews as defined in Section 2 of this document.

#### 3.4.1 Document and Data Control

Quality related records, including hard copy and digital file documentation, will be received and maintained in accordance with Stantec best practices.

These records will include the following:

- Copy of the **QMP** and all revisions to the plan
- Copy of all **Quality Control** checklists and certifications for each milestone review
- Copy of all **Quality Assurance** certifications for each review
- Copy of all **Design Review Comment Forms, Non-Conformance Reports** and evidence of the corrective action and subsequent compliance for **QC** and **QA** reviews

### **3.4.2 Control of Sub-Contracted Work**

Sub-consultants will be required to provide a copy of their QMP for review by Stantec; or, be required to follow the Stantec **QMP**.

### **3.4.3 Control and Correction of Non-Conforming Work**

Identified deviations from designs or non-conformances need to be assessed, documented, and communicated to affected parties. This process will be handled through Design Review Comment Forms and Non-Conformance Reports (NCRs).

The corrective action taken and any preventative actions identified as being appropriate to prevent future occurrences will be documented.

## **3.5 PROJECT DESCRIPTION**

### **3.5.1 Disciplines/Tasks**

Project elements included in the QC plan will be applied to all project deliverables produced by the Project for the following disciplines/tasks:

- Roadway, Geometric Design and Analysis, Drainage
- Bridge Design
- Hydraulics
- Traffic Engineering
- Geotechnical Services

## SECTION 4. QUALITY MANAGEMENT (QC/QA) PERSONNEL

| List of Personnel Assigned to Quality Management Tasks per Activity | Project Manager – Scott Hoffeld, CEP                     |
|---------------------------------------------------------------------|----------------------------------------------------------|
| Roadway, Geometrics and Drainage                                    |                                                          |
| Designer(s)                                                         | Nick Prudhomme, PE, Chris Nipper, PE, James Fogleman, PE |
| QC – Design & Plans                                                 | TBD                                                      |
| QA – Design & Plans & Independent Review                            | Joseph Cains, PE                                         |
| Structures and Bridge                                               |                                                          |
| Designer(s)                                                         | John Krebs, PE, Robert Smith, PE                         |
| QC – Design & Plans                                                 | Varaprasad Venkata, PE, Mohit Soni, PE                   |
| QA – Design & Plans & Independent Review                            | Brian Johnson, PE                                        |
| Traffic Engineering                                                 |                                                          |
| Designer(s)                                                         | Joseph Barker, PE, PTOE                                  |
| QC – Design & Plans                                                 | Joey Lefante, PE, PTOE                                   |
| QA – Design & Plans & Independent Review                            | Mike Bruce, PE                                           |
| Geotechnical                                                        |                                                          |
| Designer(s)                                                         | Patrick Thurmond, PE                                     |
| QC – Design & Plans                                                 | Jim Hance, PE                                            |
| QA – Design & Plans & Independent Review                            | Austin Nall, PE                                          |
| Environmental & Permitting                                          |                                                          |
| Designer(s)                                                         | Multiple                                                 |
| QC                                                                  | Andrea Dvorak-Grantz, AICP                               |
| QA & Independent Review                                             | Scott Hoffeld, CEP                                       |

## Appendix A: Guidelines for Document Preparation

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### A.1 Purpose and Scope

- A.1.1. The purpose of these Guidelines is to establish a method for consistently delivering quality project work that meets client needs and prevents rework.
- A.1.2. These Guidelines are mandatory and apply to all project work.
- A.1.3. Methods for rework prevention include reviewing project input; checking and verifying project work by someone other than the **Originator**; conducting **Interdisciplinary Reviews**, where required; and **Approving** project work for further use or delivery.
- A.1.4. It is recognized that some projects do not result in the “traditional” deliverables of calculations, designs, contract documents, studies/reports, etc. Nonetheless, the principles underlying **Checking** and **Verification** must be applied.

### A.2 Preparation of Calculations

#### A.2.1. Terms and Definitions

- A.2.1.1 Calculations – Mathematics-based computations that transform input data into a result that is used as further input to the delivered project work or is delivered directly to the client to meet contract obligations.
- A.2.1.2 Assumptions – Estimated or presumed information used as input to a calculation.
- A.2.1.3 Confirmation – Verification that an assumption was correct based on actual data.

#### A.2.2. Procedure

##### A.2.2.1 Calculation Preparation

- (i) **Discipline Leaders** shall assign qualified individuals the task of preparing calculations and are responsible for monitoring compliance with this guideline.
- (ii) **Calculations** are to be neat, legible and suitable for reproduction. They are to be prepared using company calculation pads, where available, including a header with space for identifying the calculation title, page numbers, project name and number, and the **Originator's** and **Checker's** names, initials and dates.
- (iii) **Calculations** must be organized and logically presented, and are to include sufficient notes, explanations and sketches to make the calculation easily

followed. The intent is to make calculations understandable by an individual competent in the subject matter without going back to the originator.

- (iv) The following information should be provided in the calculation, or on a cover or summary page:
  - (a) Objective – A statement of the problem or question to be solved (if not obvious from the title).
  - (b) Method – Identify the methods to be used, including software.
  - (c) Assumptions – Clearly state any assumptions applied.
  - (d) References and Inputs – Identify the inputs and the references for inputs, equations, methods, etc. Design inputs used as the basis for calculations shall be verified by the **Originator** as obtained from a reliable source. Design equations, tables, field data, etc., shall be referenced to the specific section of the applicable design code or manual. Any information not readily available to a reviewer should be attached as an appendix to the calculations.
  - (e) Conclusions – Clearly state the conclusions of the calculations including any limitations, conditions and/or exceptions.
- (v) Confirmations – Critical assumptions need to be tracked and confirmed by the **Originator** as soon as valid and current data becomes available. The impact of any variances between assumptions and confirmed information must be evaluated, and any necessary revisions to calculations made.
- (vi) In assembling larger sets of calculations, or where providing summary information will be useful, the use of a calculation cover page may be helpful.
- (vii) Prior to the results of a calculation being utilized for subsequent design work, relevant calculations shall be checked and verified in accordance with **Checking and Verification Procedure** and documented accordingly.

#### A.2.2.2 Computer Calculations

- (i) Computer calculations shall include or reference documentation clearly explaining the program's function, nomenclature, and sign conventions utilized. All technical software must be validated in accordance with the **Software Validation Procedure**.
- (ii) Calculations utilizing computer programs to perform analyses or design shall include the following:

- (a) Name of the program including version or revision level.
  - (b) Paper copies of computer output files, or portions thereof, that are required to satisfy the documentation requirements of this procedure shall be labelled and filed.
  - (c) Identification and/or location of associated electronic files.
- (iii) Spreadsheet calculations shall be documented and organized so that formulae used in the spreadsheet can be checked for accuracy of incorporation into the spreadsheet, using a calculator or other method. After validation of the spreadsheet calculations the spreadsheet shall be protected to prevent inadvertent modification of the embedded formulae.

#### A.2.2.3 Revisions to Calculations

Revisions (or cancellations) may be required after an initial set of calculations has been reviewed. These revisions may be a result of client comments, scope changes, or errors found during subsequent reviews. Revisions to the calculations do not necessarily warrant a second review of the entire set of calculations. Only the revised portion of the calculations may need to be reviewed. Required revisions shall, therefore, be completed as follows to appropriately document the revisions made:

- (i) Revisions shall be reviewed and approved in the same manner as the original. The **Originator** and **Reviewer** of the calculations shall be responsible for the revision. The revision to the calculation shall be clearly identified and dated or shall be replaced by a new calculation.
- (ii) Revisions shall be prepared in a manner that provides a clear record of the content of the calculation, both prior to and after the revision. The reason for the revision should be identified.
- (iii) Revisions to calculations that impact other disciplines shall be immediately reported to the **Project Manager** and the affected disciplines.

#### A.2.2.4 Control of Calculations

- (i) All calculations shall be organized and adequately indexed to facilitate retrieval of results and verification of completeness. A calculation index may be useful as a tool to help plan and organize the work, or may be developed upon completion of the calculations for record and archival purposes.
- (ii) On completion of the calculation review process, original calculations including calculation cover pages, checklists, index pages and other associated documents shall be controlled.

### A.3 Preparation of Studies/Reports

#### A.3.1. Terms and Definitions

A.3.1.1 **Technical Study or Report** – A hardcopy or electronic document based on technical information gathered and evaluated with professional insight and delivered to the client. Generally, a technical study or report contains conclusions and often contains recommendations.

#### A.3.2. Procedure

##### A.3.2.1 Style and Format

- (i) The report should be prepared following the client-specific preference and project standardized format. If the client has a specific preference or the office or group preparing the report has a previously used style with that client, these factors should be considered in developing the report format.
- (ii) The format (organization and content) of project technical studies and reports shall be based on the client's requirements. Absent client-specified format, the **Project Manager** and/or the originating **Discipline Leader** shall determine the format based on the scope and complexity of the report.

##### A.3.2.2 Development and Review

- (i) **Discipline Leaders** shall assign qualified individuals the task of preparing study and report content and are responsible for monitoring compliance with this guideline.
- (ii) **Discipline Leaders** shall arrange for reviews in accordance with the **Checking and Verification Procedure** and documented in the associated forms.
- (iii) In addition to discipline reviews, the **Project Manager** shall review the study/report for overall adequacy, completeness, and contractual requirements including compliance with applicable client requirements.

##### A.3.2.3 Distribution and Filing

- (i) **Project Manager** shall distribute copies of technical reports and studies and any changes thereto to personnel/organizations requiring them.
- (ii) If multiple reports are expected, it is suggested that the **Project Manager** or designee maintain an index of project technical studies and reports.

#### A.3.2.4 Changes

- (i) Technical reports and studies should be maintained current with significant changes identified during technical development.
- (ii) Changes to issued technical reports and studies shall be processed in the form of revision/addenda, approved and distributed.
- (iii) Changes incorporated in technical reports and study revisions that are to be reissued should be identified. The reasons for changes should also be provided when it would be helpful for users. The revision date shall be added to the cover.

#### A.3.2.5 Use of Photographs or Digital Images

- (i) Photographic or digital images used in the **Study or Report** depicting conditions relevant to the findings or conclusions shall be dated. Electronic image files of photography taken by project staff or subconsultants shall be retained in project files along with a record print. Photos used in a report from a source other than project photography shall be attributed to the proper source.

### A.4 Preparation of Drawings

#### A.4.1. Procedure

##### A.4.1.1 General Guidelines

- (i) **Discipline Leaders** shall assign qualified individuals the task of preparing drawings and are responsible for monitoring compliance with this guideline.
- (ii) At project inception, a project drawing list is to be developed, or updated from one prepared during the proposal phase, by each discipline. Drawing lists will be updated at each milestone to help the **Project Manager** in estimating progress or completion status.
- (iii) Drawing Numbers and File Naming – Drawings and drawing files shall be uniquely identified with drawing numbers in accordance with the system applicable to the project.
- (iv) CAD Standards – The CAD Standards to be used on the project shall be as identified in the scope of services, or through detailed discussions with the client.
- (v) Origin of Drawings – **Discipline Leaders** are responsible for assigning the preparation of drawings to a **Designer** who may work with the **Detailer** working under the direction of a CAD Manager. Each **Designer** shall be responsible for

seeing that the required information is transmitted to the **Detailer** via sketches, marked-up prints, electronic data, and/or written or verbal instructions.

- (vi) Duplication of information is to be avoided on drawings, and between drawings and specifications.

#### A.4.1.2 Review of Drawings During Preparation

- (i) **Designer** will conduct periodic reviews of drawings in progress to see that proper scales, orientation, standards, formats, and design information are being utilized and that the design input has been interpreted, applied properly, and is being coordinated with other disciplines. This type of “over-the-shoulder” review takes place as the work progresses and precedes the formal reviews that occur as part of the **Checking and Verification Procedure**.
- (ii) Where available, the **Designer** may use discipline-specific, client-specific, project-specific or other similar checklists to verify that design, construction and presentation aspects and details are being adequately addressed.

#### A.4.1.3 Client Requests for Unchecked In-progress Drawings

- (i) Clients occasionally request non-contractual, unscheduled, interim or in-progress submittals of drawings for any number of purposes. Given the risks associated with providing unchecked documents to a client and the potential for client complaints, it is always intended that drawings be reviewed in accordance with the **Checking and Verification Procedure** prior to submission. However, when circumstances demand, unchecked drawings may be released if the following minimum requirements are met:
  - (a) The **Project Manager** shall review the drawing set to confirm that the drawings have progressed to the completion level anticipated by the client and to confirm that the non- contractual progress submittal would not be deemed as unacceptable by the client in any way.
  - (b) A disclaimer statement (or bold stamp) shall be placed on the drawing set indicating that “IN-PROGRESS” and are being provided for “INFORMATION ONLY” at the request of the client.”
  - (c) The **Project Manager** shall submit the non-contractual progress submittal with a cover letter stating that the drawing set is being provided for “INFORMATION ONLY” as requested by the client. The cover letter shall also state that the IN-PROGRESS submittal has not yet been reviewed in accordance with project procedures and is subject to revision in concept and detail as work progresses.

#### A.4.1.4 Signing and Sealing of Drawings

- (i) Drawings issued for construction shall be signed and sealed in accordance with the laws of the applicable State, typically that where the project is located, not where the design takes place. **Discipline Leaders** shall be responsible for understanding the practice and implementing on the project. Any discrepancy or confusion shall be brought to the attention of **Project Manager**.

### A.5 Software Validation Procedure

#### A.5.1. Purpose and Scope

A.5.1.1 This procedure describes minimum requirements to ensure that technical software used on the project has been validated before use.

A.5.1.2 This procedure applies to software used for any of the following:

- (i) Performing calculations;
- (ii) Developing input for use in calculations;
- (iii) Creating designs or drawings using embedded calculations;
- (iv) Generating output provided directly to clients;
- (v) Generating output included in deliverables to clients; or
- (vi) Software that is developed and delivered to a client as a contractual obligation.

For purposes of this procedure, such software is referred to as “technical software.” Exclusions from this procedure include software:

- (i) That does not conform to the definitions provided in the list above;
- (ii) Used to produce output that is checked and verified manually;
- (iii) Inherent to equipment for measuring and testing, which is periodically verified and calibrated in accordance with the manufacturer’s specifications; or
- (iv) Designed to enable the operation and maintenance of a computer system and its associated programs (systems software).

A.5.1.3 Mathematical, formulaic, and logic-based programming developed within standard office-type platforms such as Excel and Mathcad may typically be validated as calculations in accordance with the **Checking and Verification Procedure**.

Advanced or complex programs that are not amenable to standard checking/verification shall be validated in accordance with this procedure.

#### A.5.2. Terms and Definitions

A.5.2.1 **Approver** – The individual, independent of the **Validator**, that reviews the validation output and accepts the software for use on the project.

A.5.2.2 **Industry-Standard Software** – Commercially available technical software that is widely used and accepted in a discipline or practice area, and that does not require significant adaptation.

A.5.2.3 **Legacy Software** – Technical software regularly used in the current version for at least three years and for which no problems have been reported, or for which problems have been reported and corrected.

A.5.2.4 **Non-Standard Software** – Technical software that is not widely used and accepted in the industry.

A.5.2.5 **Software Register** – An up-to-date listing of validated technical software maintained by each **Discipline Leader** and posted in a location accessible to all staff.

A.5.2.6 **Validation** – The process of accepting technical software for use by an LCP Company.

A.5.2.7 **Validator** – The individual that performs the validation.

#### A.5.3. Procedure

##### A.5.3.1 Staff Responsibilities with Technical Software

**All staff** using technical software shall help ensure that technical software is used properly, that it is appropriate for the task at hand, and that any resulting errors, input/processing problems, or questionable output are reported to their **Discipline Leader**.

##### A.5.3.2 Technical Software Register

**Discipline Leaders** shall maintain a register, accessible to project staff that lists technical software that has been validated for use. The register shall include, at a minimum, the vendor name, software name/description, and version number.

##### A.5.3.3 Responsibility for Software and Validation

**Discipline Leaders** are responsible for monitoring the use of technical software within their departments, disciplines and/or practice areas and ensuring that such software meets the

requirements of this procedure. When appropriate, **Discipline Leaders** may serve as Validators and/or Approvers.

#### A.5.3.4 Software Classification

Technical software shall be classified by the appropriate **Discipline Leader** into one of the following categories, as defined above:

- (i) Legacy Software
- (ii) Industry-standard Software
- (iii) Non-standard Software

#### A.5.3.5 Validation Process

The appropriate **Discipline Leader** shall assign a **Validator** and **Approver** who shall process the technical software in accordance with its classification as follows:

- (i) Legacy Software – Acceptance is based on previously documented and satisfactory internal production experience.
- (ii) Industry-Standard Software – The software developer/vendor shall be requested to provide a signed statement or certification that the software has undergone a quality control validation process confirming that it performs as intended. Based on this certification, such software requires no further validation other than a run with sample data to verify that the program functions properly. When no such statement or certification is available, the software shall be treated as Non-standard Software.
- (iii) Non-standard Software – Shall be validated using either of the following test procedures:
  - (a) Run the software using input from a known solution and verify that the program output matches the known solution. All significant design options/methodologies offered by the program shall be verified.
  - (b) Perform a manual calculation to verify the results obtained using the software.

#### A.5.3.6 Validation Approval

The **Validator** shall provide the results and documentation of the validation process to the assigned **Approver**, who shall review the information and, if found acceptable, approve the software for use. The **Approver** shall take the necessary steps to have the technical

software added to the LCP validated software register. Technical software shall not be used in production until it has been accepted by the **Approver**.

#### A.5.3.7 Validation of Software Revisions

- (i) New versions of technical software that have been previously validated shall be reviewed by a **Validator** by running the input file or database from the previous version and comparing results. Any differences between the outputs shall be justifiable.
- (ii) When approving new versions, changes that may affect previous output shall be noted and communicated by the **Validator** to the **Discipline Leader**.
- (iii) The widespread use and acceptance of the new version of the software in our industry, without apparent concern regarding its performance, may also be considered as a basis for accepting new versions.
- (iv) New versions of technical software shall not be used prior to acceptance by the **Approver**.
- (v) Consideration shall be given to whether only the latest version of the software is to be maintained, keeping in mind that the use of older versions may still be required by the client or for continuity with earlier output.

#### A.5.3.8 Software Validation Documentation

The validation process shall be documented.

#### A.5.3.9 Software Errors

Errors discovered by any user in previously validated software that have the potential to affect completed work shall be reported to the appropriate **Discipline Leader**. The **Discipline Leader** shall then be responsible for:

- (i) Notifying the software developer/vendor and **Project Manager**
- (ii) Identifying projects that have used or are using the software
- (iii) Assessing the impact of the error on both completed and ongoing projects, including notification of other **Discipline Leaders** as appropriate.
- (iv) Developing a corrective action plan for all affected projects
- (v) Revising the validation documentation, including the software register, as necessary

## Appendix B: Guidelines for Processes

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### B.1 Project Processes

We believe that a Project's desired result is achieved more efficiently when activities and related resources are managed as a Process. In achieving desired results, Process Guidelines must be identified and documented. Stantec develops typical Process Guidelines based upon past experiences. Unique Process Guidelines (PG's) are also developed for certain projects.

Our PG's are defined as those functions necessary for managing the Project as well as those that are necessary to realize the project's deliverable. Project processes include:

- administrative processes; and,
- technical processes

Our QMP provides Process Guidelines (PG's) for all known project processes. PG's outline a quality process to be performed; and becomes part of the QMP for the Project.

Basic Elements of a Process Guideline should include:

- purpose
- process description
- key elements
- responsibility/authority

QUALITY MANAGEMENT PLAN  
CONTRACT NO. 4400035009  
STATE PROJECT NO. H.015428.2  
F.A.P. NO. H015428  
ROUTE: NEW ROADWAY  
ST. BERNARD PARISH

## Appendix C: QC Checklist & Comment Forms

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DRAFT

QUALITY MANAGEMENT PLAN  
 CONTRACT NO. 4400035009  
 STATE PROJECT NO. H.015428.2  
 F.A.P. NO. H015428  
 ROUTE: NEW ROADWAY  
 ST. BERNARD PARISH

| QC DESIGN CHECKLIST & COMMENT FORM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT ELEMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ORIGINAL CALC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> Yes <input type="checkbox"/> No | IF REVISED, REV'N NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DESIGNER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| QC DESIGN CHECKER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ENGINEER OF RECORD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CALCULATION TYPE <input type="checkbox"/> Hand calculation <input type="checkbox"/> Spreadsheet <input type="checkbox"/> Vendor Software <input type="checkbox"/> Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1. If SPREADSHEET, has it been approved by Stantec's Project Manager? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>2. If VENDOR SOFTWARE, is it on the LADOTD, website, pre-approved list? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>3. If not on pre-approved list, has it been approved for use by LADOTD? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>4. If OTHER, please describe                                                                                                                                                                                                                                                                                                                                                            |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DESIGN INPUT VERIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1. Has design input been generated from another source? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>2. Has source information been checked and approved? <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CALCULATION CHECK (If response is <u>No</u> , provide applicable comments)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1. Has the DESIGNER signed and dated the calculation?<br>2. Is the calculation in accordance with a standard approach to preparing the design?<br>3. Is the calculation consistent with contractual requirements of the Scope of Work?<br>4. Are any new BDTM's by LADOTD required to be implemented in this design?<br>5. Has the Project Design Criteria been included & followed?<br>6. Is a Project "GO-BY" required for this design?<br>7. Has the Project "GO-BY" been followed?<br>8. Have assumptions for the design been reviewed and confirmed?<br>9. Are results & conclusions consistent & reasonable considering the inputs & approach?<br>10. Are special provisions or Non-Standard Specification required for this design?<br>11. Have any NON-CONFORMANCE REPORTS been prepared? |                                                          | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| QC DESIGN CHECKER SIGNATURE _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          | DATE: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

QUALITY MANAGEMENT PLAN  
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| QC DETAIL CHECKLIST & COMMENT FORM                                                                                                   |                                                          |                                    |                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------|------------------------------------------------------------------|
| PROJECT DRAWINGS CHECKED                                                                                                             |                                                          |                                    |                                                                  |
| ORIGINAL DRAWINGS                                                                                                                    | <input type="checkbox"/> Yes <input type="checkbox"/> No | IF REVISED, REV'N NO.              |                                                                  |
|                                                                                                                                      |                                                          |                                    |                                                                  |
| ORIGINATOR(S)                                                                                                                        |                                                          | QC DETAIL CHECKER                  |                                                                  |
|                                                                                                                                      |                                                          |                                    |                                                                  |
| CHECK LEVEL                                                                                                                          | <input type="checkbox"/> 30% Final                       | <input type="checkbox"/> 95% Final | <input type="checkbox"/> 98% Final <input type="checkbox"/> PS&E |
| DESIGN, QUANTITIES, MATERIALS, SPECIFICATIONS & NOTES                                                                                |                                                          |                                    |                                                                  |
| 1. Has the DESIGN INFORMATION been checked and approved?                                                                             | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 2. Have the QUANTITIES been checked and approved?                                                                                    | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 3. Are the MATERIALS properly coordinated with the Project specifications?                                                           | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 4. Are special provisions or Non-Standard Specifications required for any of the design elements or materials shown on the DRAWINGS? | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 5. Do the NOTES include proper references for DESIGN & MATERIALS and proper cross-references to other DRAWINGS?                      | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| DRAWING CHECK (If response is <u>No</u> , provide applicable comments)                                                               |                                                          |                                    |                                                                  |
| 1. Are titles and sheet numbers properly shown & matching the Sheet Index?                                                           | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 2. Have comments from previous internal reviews been addressed?                                                                      | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 3. Have comments from previous LADOTD reviews been addressed?                                                                        | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 4. Is the DESIGN INFORMATION properly and correctly presented?                                                                       | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 5. Is completeness sufficient for the REVIEW LEVEL?                                                                                  | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 6. Have the appropriate CAD standards been followed?                                                                                 | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 7. Are the DRAWINGS properly formatted in accordance with the "GO-BY"?                                                               | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 8. Are there any constructability issues presented on the DRAWINGS?                                                                  | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 9. Have the appropriate CAD standards been followed?                                                                                 | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 10. Have dimensions been independently verified?                                                                                     | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 11. Are critical dimensions and clearances correct?                                                                                  | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 12. Have redundancy and duplication issues been eliminated?                                                                          | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 13. Have the DRAWINGS' information been properly interfaced with other disciplines?                                                  | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 14. Have Project geometrics been verified with other discipline drawings?                                                            | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| 15. Have any NON-CONFORMANCE REPORTS been prepared?                                                                                  | <input type="checkbox"/> Yes                             | <input type="checkbox"/> No        | <input type="checkbox"/> N/A                                     |
| Comments:                                                                                                                            |                                                          |                                    |                                                                  |
|                                                                                                                                      |                                                          |                                    |                                                                  |
| QC DETAIL CHECKER SIGNATURE                                                                                                          |                                                          | DATE:                              |                                                                  |

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## Appendix D: QA Checklist & Comment Forms

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| QA REVIEW & COMMENT FORM                                                                                         |                              |                                                          |
|------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------|
| <b>DESCRIPTION OF QA PACKAGE:</b><br><br>Designs Included in Package:<br><br>Drawings Included in Package:       |                              |                                                          |
| QA REVIEWER                                                                                                      |                              |                                                          |
| REVIEW LEVEL <input type="checkbox"/> 95% Final <input type="checkbox"/> 98% Final <input type="checkbox"/> PS&E |                              |                                                          |
| QA PACKAGE PREPARATION                                                                                           |                              |                                                          |
| Has the QA PACKAGE been properly prepared for review?                                                            |                              | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Have INDEPENDENT CHECKS been properly prepared & included in the QA PACKAGE?                                     |                              | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Comments:                                                                                                        |                              |                                                          |
| PACKAGE REVIEW (If response is <u>No</u> , provide applicable comments)                                          |                              |                                                          |
| 1. Have all DESIGNS been properly checked in accordance with the 5-step method?                                  | <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 2. Have all DESIGN COMMENTS been properly resolved?                                                              | <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 3. Have all DRAWINGS been properly checked in accordance with the 5-step method?                                 | <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 4. Have any NON-CONFORMANCE REPORTS been prepared?                                                               | <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> N/A |
| Comments:                                                                                                        |                              |                                                          |
| QA REVIEWER SIGNATURE                                                                                            | _____                        | DATE:                                                    |

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## Appendix E: Independent Review & Comment Form

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 ROUTE: NEW ROADWAY  
 ST. BERNARD PARISH

| INDEPENDENT REVIEW & COMMENT FORM                                                                                                                          |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| DESCRIPTION OF QA PACKAGE:<br><br>Designs Included in Package:<br><br>Drawings Included in Package:                                                        |                                                                                       |
| INDEPENDENT REVIEWER                                                                                                                                       |                                                                                       |
| REVIEW LEVEL <input type="checkbox"/> 95% Final                                                                                                            |                                                                                       |
| IR PACKAGE PREPARATION                                                                                                                                     |                                                                                       |
| Has the IR PACKAGE been properly prepared for review? <input type="checkbox"/> Yes <input type="checkbox"/> No                                             |                                                                                       |
| Comments:                                                                                                                                                  |                                                                                       |
| COMPLETENESS & CONSTRUCTIBILITY REVIEW (If response is <u>No</u> , provide applicable comments)                                                            |                                                                                       |
| 1. Do the PLANS & SPECIFICATIONS satisfactorily complete the Project SOW?                                                                                  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 2. Are the design concepts & technical solutions suitable to the Project's SOW?                                                                            | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 3. Are the PLANS & SPECIFICATIONS presented with completeness for bidding?                                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 4. Do the PLANS & SPECIFICATIONS provide the contractor with clear, concise information that can be utilized to prepare a competitive, cost-effective bid? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 5. Can the Project, as detailed in the PLANS & SPECIFICATIONS, be constructed using standard construction methods, materials and techniques?               | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 6. When constructed in accordance with the PLANS & SPECIFICATIONS, can be the Project be maintained in a cost-effective manner?                            | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| Comments:                                                                                                                                                  |                                                                                       |
| INDEPENDENT REVIEWER SIGNATURE _____ DATE: _____                                                                                                           |                                                                                       |

## Appendix F: LADOTD Road Design QC/QA Plan

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In addition to the **QC/QA** procedures described in this **QMP**, **LADOTD Road Design** has established requirements for road design projects. This **Appendix F** has been developed with respect to the current **LADOTD Road policies**. Stantec's **QMP** program is well aligned with the **LADOTD Road Policy**.

Consistent with our **QMP** program, Stantec clearly understands, and believes, that the responsibility for Quality in our services and deliverables is **100% ours**. We also recognize that expectation of LADOTD Road and its staff is only to provide oversight on the design process. The following Checklists are incorporated and become the requirement of the project/assignment. Where discrepancies arise between the Stantec QMP and the LADOTD Road Design QC/QA Plan, the LADOTD Road Design QC/QA Plan shall govern.

- F1: 30% Preliminary Roadway Plans QA Checklist
- F2: 60% Preliminary Roadway Plans QA Checklist
- F3: 90% Preliminary Roadway Plans (Pre-Plan in Hand) QA Checklist
- F4: ACP Final Roadway Plans

## F1: 30% Preliminary Roadway Plans QA Checklist

Give comment on separate sheet for any item marked 'no'.

Yes No

### Title Sheet

- ☐ ☐ Is layout map sufficient (scale, north arrow, size)?
- ☐ ☐ Are project termini labeled (begin/end state/fed project, CS log mile, equations, bridges, exceptions)?
- ☐ ☐ Are Traffic Data, Design Speed, & Class of Highway shown?
- ☐ ☐ Is survey information shown?
- ☐ ☐ Is type of construction identified?
- ☐ ☐ Is project caption complete (Federal aid no., state project no., project name, parish, route no.)?
- ☐ ☐ Is specification year note complete?

### Typical Section and Detail Sheets

- ☐ ☐ Has the pavement design, soil borings, ph and resistivity been requested?
- ☐ ☐ Are sections in agreement with current specifications and project design criteria?
- ☐ ☐ Are right-of-way lines shown?
- ☐ ☐ Is area to be constructed free of obstructions labeled?
- ☐ ☐ Are superelevation details shown?
- ☐ ☐ Are grading sections shown?
- ☐ ☐ Are finished sections appropriate (travel lane & shoulder widths & slopes, median widths, embankment slopes)?
- ☐ ☐ Are limits of erosion control items (seeding, fertilizer, water, etc.) shown?
- ☐ ☐ Are typical sections sufficient to show proposed construction?

### Plan-Profile Sheets

- ☐ ☐ Are the sheets set up at an appropriate scale (horizontal and vertical)?
- ☐ ☐ Are legend and notes adequately shown on first plan/profile?
- ☐ ☐ Is the existing roadway shown 500' before and after the project limits?
- ☐ ☐ Are all topographic features plotted and labeled where appropriate (pavement types, structure types & sizes, etc.)?
- ☐ ☐ Are utilities shown and adequately labeled?
- ☐ ☐ Is existing right-of-way shown and labeled?
- ☐ ☐ Are beginning & ending project limits labeled?
- ☐ ☐ Is north arrow and scale shown?
- ☐ ☐ Is proposed horizontal geometry shown and adequate (appropriate horizontal curve lengths, equations, surveyed and abandoned, stations, and labeling)?
- ☐ ☐ Is existing profile grade with elevations shown in profile grid?
- ☐ ☐ Is proposed vertical geometry shown and adequate (appropriate curve lengths, grades, equations, and labeling)?

Completed By:

Date:

## F2: 60% Preliminary Roadway Plans QA Checklist

Note: If sufficient changes have occurred since 30% submittal, need to complete 30% checklist again.

Give comment on separate sheet for any item marked 'no'.

Yes No

### ***Title Sheet***

- ☐ ☐ Have comments from 30% submittal been addressed?
- ☐ ☐ Have items from 30% checklist marked as 'no' been completed?
- ☐ ☐ Is index in progress?
- ☐ ☐ Is length of project table complete?

### ***Typical Sections***

- ☐ ☐ Have comments from 30% submittal been addressed?
- ☐ ☐ Have items from 30% checklist marked as 'no' been completed?
- ☐ ☐ Has pavement design been obtained and incorporated?
- ☐ ☐ Is pipe spacing detail shown?

### ***Plan-Profile Sheets (Includes Drainage Plan-Profiles Where Appropriate)***

- ☐ ☐ Have comments from 30% submittal been addressed?
- ☐ ☐ Have items from 30% checklist marked as 'no' been completed?
- ☐ ☐ Has preliminary required right-of-way (including construction and drainage servitude) been shown?
- ☐ ☐ Have limits of construction been shown?
- ☐ ☐ Are cross drain locations identified (disposition of existing structure, required structure, station, size, type, drainage area, design Q, design headwater or headwater elevation, differential head, velocity, direction of flow, flow lines, erosion control measures, bedding material)?
- ☐ ☐ Are required side-drains shown (station, size, type, drainage area)?
- ☐ ☐ Are required bridge structures shown (hydrologic information, begin/end bridge)?
- ☐ ☐ Are ditch grades shown?
- ☐ ☐ Are limits of superelevation shown (begin/end transition, begin/end superelevation, super rates, normal crown)?
- ☐ ☐ Are finished roadway elevations shown at begin/end of each sheet?
- ☐ ☐ Are construction notes in progress (removal items, required PCCP, AC, fencing, gates, etc)?
- ☐ ☐ Are required driveways shown (station, width and type)
- ☐ ☐ Are lane widths & dimension to centerline shown at begin/end of each sheet?
- ☐ ☐ Are geometric details at intersections & crossovers shown?
- ☐ ☐ Are detour alignments shown?
- ☐ ☐ Are proposed cross drains and storm drains shown and labeled in profile?

### ***Existing Drainage Map***

- ☐ ☐ Is scale appropriate?
- ☐ ☐ Are sizes and drainage areas of all existing structures shown?

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Yes No

***Design Drainage Map***

- ☐ ☐ Is scale appropriate?
- ☐ ☐ Is proposed horizontal alignment shown and labeled (begin/end station)?
- ☐ ☐ Is proposed hydrologic information shown (drainage area, watershed boundaries, flow direction, design storm, design Q, design HW, method used)?
- ☐ ☐ Are required structures numbered?

***Geometric Details***

- ☐ ☐ Have plan/profiles showing detours been provided?
- ☐ ☐ Have all details of crossovers, turnouts, intersections, and islands been provided at appropriate scale?
- ☐ ☐ Do details include lane widths, deltas, baseline ties to centerline, north arrow, etc.?
- ☐ ☐ Are traffic data and turning movements shown where appropriate?
- ☐ ☐ Survey

***Sequence of Construction/Construction Signing Sheets (In Progress)***

- ☐ ☐ Are the sheets set up at an appropriate scale?
- ☐ ☐ Is existing roadway, proposed alignment and stationing shown?
- ☐ ☐ Are intersecting roads shown and labeled?
- ☐ ☐ Is north arrow and scale shown?

**Completed By:**  
**Date:**

### **F3: 90% Preliminary Roadway Plans QA Checklist**

---

Note: If sufficient changes have occurred since 60% submittal, need to complete 60% checklist again.

Give comment on separate sheet for any item marked 'no'.

Yes No

#### ***Title Sheet***

- ☐ ☐ Have comments from 60% submittal been addressed?
- ☐ ☐ Have items from 60% checklist marked as 'no' been completed?
- ☐ ☐ Is index in complete & accurate?
- ☐ ☐ Are earthwork totals shown?

#### ***Typical Sections***

- ☐ ☐ Have comments from 60% submittal been addressed?
- ☐ ☐ Have items from 60% checklist marked as 'no' been completed?

#### ***Summary Sheets***

- ☐ ☐ Has complete listing of current pay items been provided?
- ☐ ☐ Has construction cost estimate been completed?

#### ***Plan-Profile Sheets (Includes Drainage Plan-Profiles Where Appropriate)***

- ☐ ☐ Have comments from 60% submittal been addressed?
- ☐ ☐ Have items from 60% checklist marked as 'no' been completed?
- ☐ ☐ Are construction notes complete (removal items, required PCCP, AC, fencing, gates, etc)?
- ☐ ☐ Is earthwork shown at maximum 200' spacing?

#### ***Existing Drainage Map***

- ☐ ☐ Have comments from 60% submittal been addressed?
- ☐ ☐ Have items from 60% checklist marked as 'no' been completed?

#### ***Design Drainage Map***

- ☐ ☐ Have comments from 60% submittal been addressed?
- ☐ ☐ Have items from 60% checklist marked as 'no' been completed?

#### ***Geometric Details***

- ☐ ☐ Have comments from 60% submittal been addressed?
- ☐ ☐ Have items from 60% checklist marked as 'no' been completed?

#### ***Sequence of Construction/Construction Signing Sheets***

- ☐ ☐ Have comments from 60% submittal been addressed?
- ☐ ☐ Have items from 60% checklist marked as 'no' been completed?
- ☐ ☐ Does phasing sufficiently allow for construction of all proposed improvements?
- ☐ ☐ Are traffic flow arrows shown?
- ☐ ☐ Are required construction signs shown?

**Completed By:**

**Date:**

## F4: ACP Final Roadway Plans QA Checklist

---

Note: If significant changes have occurred since Plan in Hand, need to complete 90% Preliminary Plan checklist again.

Give comment on separate sheet for any item marked 'no'.

Yes No

### **General Items**

- ☐ ☐ Have all comments since plan in hand been addressed?
- ☐ ☐ Have items from 90% preliminary plan checklist marked as 'no' been completed?
- ☐ ☐ Is index of sheets complete and accurate?
- ☐ ☐ Are all standard plans required included – ensure that latest revision is used?
- ☐ ☐ Has a detailed check of all sheets added since plan in hand been completed?
- ☐ ☐ Have all design exceptions required been approved and listed on the Title Sheet?
- ☐ ☐ Have environmental commitments been incorporated?

### **Summary Sheets (Includes Drainage Summary Sheets)**

- ☐ ☐ Are tables provided for all major items of work?
- ☐ ☐ Are tables arranged in accordance with latest plan preparation manual?
- ☐ ☐ Are tables in agreement with design quantity calculations?
- ☐ ☐ Is design calculation report and hydraulic report provided (neatly arranged, checked, bound, etc.)?
- ☐ ☐ Are all pay items in agreement with latest standard pay item list (item number, description, number of decimals, etc.)?
- ☐ ☐ Is side drain table and list of abbreviations shown on last drainage summary sheet?
- ☐ ☐ Is final construction cost estimate complete?

**Completed By:**

**Date:**

## Appendix G: Non-Conformance Report Form

### NON-CONFORMANCE REPORT

NCR # \_\_\_\_\_

Activity #: \_\_\_\_\_

Activity: \_\_\_\_\_

Location: \_\_\_\_\_

NCR Prepared By: Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

NCR Given to: Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

Non-Conformance Description: \_\_\_\_\_

☐ No Impact or Assessed Impact: \_\_\_\_\_

☐ No Action or Action Required: \_\_\_\_\_

References/Attachments \_\_\_\_\_

Action(s) To Be Implemented By (Name & Date): \_\_\_\_\_

Action(s) Completed By  
(name & signature): \_\_\_\_\_ Date: \_\_\_\_\_

Remarks: \_\_\_\_\_

Date copied: \_\_\_\_\_ Fax No. \_\_\_\_\_

Comments: \_\_\_\_\_

### Guidelines for NCR use

1. NCRs record non-conforming work incorporated into the project and could include, but not be limited to, deviations from design requirements, unexpected soil conditions, material defects, dimensional defects or other deviations in the work.
2. NCRs do not replace routine inspections, diary entries, or materials delivery or testing reports, but can refer to them.
3. Ideally, the person whose actions or decisions create the need for a NCR will issue it, but in other cases the person who finds the non-conformance issues the NCR.
4. The person who issues the NCR ensures it is completed to the point where a copy can be sent within 24 hours to the Quality Assurance Manager.
5. It is implicit that if non-conforming work is not to be repaired or replaced (i.e., no assessed impact) the finished deliverable will meet project requirements.
6. The assessment of the situation will include a review of whether or not the non-conformance is likely to re-occur and if so, a description of the measures that will be implemented to prevent this.
7. The NCR event should be resolved at the lowest appropriate decision making level and escalated only if necessary. The NCR process is not meant to replace quick decision-making in the field or replace communications between the parties involved.
8. The status of unresolved NCRs shall be reviewed in any regular progress meetings and in the Quality Audit summaries done by the Project Quality Assurance Manager.

22. **Sub-consultant Information:**

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

| Firm Name (Name must match as registered with Louisiana's Secretary of State) | Address                                               | Point of Contact and Email Address                                  | Phone Number   |
|-------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------|----------------|
| G.E.C., Inc.                                                                  | 8282 Goodwood Blvd.<br>Baton Rouge, LA 70806          | Cary Bourgeois, PE<br>cbourgeois@gecinc.com                         | 225-612-4121   |
| Gulf South Research Corporation                                               | 8081 Innovation Park Drive,<br>Baton Rouge, LA 70820  | Suna Adam<br>suna@gsrcorp.com                                       | 225-757-8088   |
| Eustis Engineering L.L.C.                                                     | 3011 28th Street<br>Metairie, LA 70002                | Gwendolyn P. Sanders, P.E.                                          | 504-834-0157   |
| Innovative Contracting and Engineering Professional Limited Liability Company | 5513 W 11000 N #501<br>Highland, UT 84003             | Kyle Norseth, kyleneorseth@iceteams.com                             | 801-674-2540   |
| Desire Line LLC                                                               | 1348 Chickasaw Avenue<br>Metairie, LA 70005           | Alexandra Carter, President, CEO<br>alexgelpicarter@desire-line.com | (504) 388-0482 |
| GIS Engineering, L.L.C.                                                       | 18838 Hwy 3235<br>Galliano, LA 70354                  | jloeske@gisy.com                                                    | 985.665.2262   |
| Forte and Tablada, Inc.                                                       | 9107 Interline Avenue<br>Baton Rouge, LA 70809        | Russell J. "Joey" Coco, Jr.<br>jcoco@forteandtablada.com            | 225-927-9321   |
| The Lakvold Group LLC                                                         | 4520 Jamestown Ave., Suite 6<br>Baton Rouge, LA 70808 | angie@thelakvoldgroup.com                                           | (225) 248-9984 |

23. **Location:**

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the advertisement.

*Looking East at Alt. 22 / LA 47 (Paris Road) Junction*

