

STATEMENT OF QUALIFICATIONS

Presented to:
**Louisiana Department
of Transportation and
Development (DOTD)**

Contract No. 4400025625
Entity Contract for St. Nazaire
Road Ext: LA 96 – Corne Road
State Project No. H.014622.1
F.A.P. No. H014622
Lafayette Parish

December 21, 2022





December 21, 2022

Louisiana Department of Transportation and Development
1201 Capitol Access Road
Baton Rouge, LA 70802

VIA EMAIL
DOTDConsultantAds80@la.gov

Re: Contract No. 4400025625 – Entity Contract for St. Nazaire Rd Ext: LA 96 – Corne Rd.
State Project No. H.014622.1; F.A.P. No. H014622; Lafayette Parish

Dear Sir or Madam:

C. H. Fenstermaker & Associates, L.L.C. (Fenstermaker) is pleased to submit our Statement of Qualifications to provide engineering, environmental, and related services to extend St. Nazaire Road from LA 96 to Corne Road in Broussard, Louisiana. This project has been highly desired by our firm resulting in multiple site visits and tracking the development of this project through the City of Broussard and the Acadiana Planning Organization to better understand the context and issues of the project as described in our approach and methodology. Our staff possesses the desired capabilities and relationships needed to assist both LADOTD and the City of Broussard in obtaining a successful environmental clearance to move the project forward. Joining Fenstermaker are the respected firms of:

- Arcadis, providing expertise in traffic analysis and traffic management planning;
- The Lakvold Group, a Louisiana Certified Small Entrepreneur/Woman Owned Business registered with the State of Louisiana's Unified Certification Program, providing expertise in conceptual Stage Relocation; and
- Civil Design & Construction, Inc., a Louisiana Certified Small Entrepreneur/Woman Owned Business registered with the State of Louisiana's Unified Certification Program, providing expertise in surveying and subsurface utility engineering (SUE).

The Fenstermaker Team will provide LADOTD with the following benefits to ensure successful project completion:

- | | |
|--|---|
| ✓ <i>Our Fenstermaker Lafayette office is located less than seven miles from the LADOTD Lafayette office</i> | ✓ <i>Fenstermaker, Arcadis, The Lakvold Group, and CDC have successfully teamed on similar projects</i> |
| ✓ <i>Key staff are located in Lafayette and surrounding areas and are extremely familiar with the City of Broussard</i> | ✓ <i>Fenstermaker has extensive experience with LADOTD, the City of Broussard, Acadiana Planning Organization, and other area agencies and utility companies that provide services in the City of Broussard area</i> |

Thank you for the opportunity to present our credentials and we look forward to hearing from you. If you have any questions regarding our submittal or qualifications, please do not hesitate to contact Dax Douet at (337) 258-2723.

C. H. FENSTERMAKER & ASSOCIATES, L.L.C.

Dax Douet, P.E.
Project Manager | Director, Engineer
dax@fenstermaker.com

Angelle Guilbeau
Director of Risk Management and Compliance
angelleg@fenstermaker.com

135 Regency Square | Lafayette, LA 70508 | 337.237.2200 phone | 337.232.3299 fax
www.fenstermaker.com

SECTIONS 1 - 13



DOTD FORM: 24-102


PROPOSAL TO PROVIDE CONSULTANT SERVICES


(Revised March 1, 2022)

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 INACCURATE 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.)

| | | |
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| 1. Contract title as shown in the advertisement | Entity Contract for St. Nazaire Rd Ext: LA 96 – Corne Rd.; Lafayette Parish | |
| 2. Contract number(s) as shown in the advertisement | Contract No. 4400025625 | |
| 3. State Project Number(s), if shown in the advertisement | State Project No. H.014622.1; F.A.P. No. H014622 | |
| 4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law) | C. H. Fenstermaker & Associates, L.L.C |  C. H. Fenstermaker & Associates, L.L.C. |
| 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. 0000311 - Engineering VF. 0000154 - Survey | |
| 6. Prime consultant mailing address | 135 Regency Square, Lafayette, LA 70508 | |
| 7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria) | 135 Regency Square, Lafayette, LA 70508 | |
| 8. Name, title, phone number, and email address of prime consultant's contract point of contact | Dax Douet, P.E., Principal Director, Engineer, (337) 237-2200, dax@fenstermaker.com | |
| 9. Name, title, phone number, and email address of the official with signing authority for this proposal | Angelle Guilbeau, Director, Risk Management and Compliance, (337) 237-2200, angelleg@fenstermaker.com | |

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|--|---|---|
| <p>10. 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>Signature (shall be the same person as #9):</p> <p></p> <hr/> <p>Angelle Guilbeau, Director, Risk Management and Compliance Date: December 19, 2022</p> | |
| <p>11. 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><u>Firm(s):</u></p> <p>The Lakvold Group</p> <p>Civil Design & Construction, Inc.</p> | <p><u>Firm(s)' %:</u></p> <p>2%</p> <p>3%</p> |

12. Past Performance Evaluation 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 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. The crosswalk from the old categories to the new categories can be found at the link below:

http://www.sp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf. (same link as in the advertisement)


Sub-consultants are allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. 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. (Add rows and columns as needed)




| Evaluation Discipline(s) | % of Overall Contract | C. H. Fenstermaker & Associates, L.L.C. (Prime) | Arcadis | The Lakvold Group (DBE) | Civil Design & Construction, Inc. (DBE) | Each Discipline must total to 100% |
|--|-----------------------|---|---------|-------------------------|---|------------------------------------|
| Planning | 10% | 100% | | | | 100% |
| Environmental | 40% | 90% | 10% | | | 100% |
| Roadway | 20% | 80% | 20% | | | 100% |
| Traffic | 20% | 5% | 95% | | | 100% |
| Bridge | 2% | 90% | 10% | | | 100% |
| Appraiser | 2% | 5% | | 95% | | 100% |
| Data Collection | 3% | 100% | | | | 100% |
| Survey | 3% | | | | 100% | 100% |
| Identify the percentage of work for the overall contract to be performed by the prime consultant and each consultant. | | | | | | |
| Percent of Contract | 100% | 68% | 27% | 2% | 3% | ----- |

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 (xxxx)" 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

| Firm name | DOTD Job Classification | Number of personnel committed to this contract | Total number of personnel available in this DOTD Job Classification (if needed) |
|--|-------------------------|--|---|
| C. H. Fenstermaker & Associates, L.L.C.  C. H. Fenstermaker & Associates, L.L.C. | Administrative | | 2 |
| | Biologist/Wetlands | | 1 |
| | CADD-Operator | | 2 |
| | Clerical | | 2 |
| | Engineer | 6 | 12 |
| | Engineer Intern | 2 | 15 |
| | Environmental Pro | 6 | 3 |
| | GIS Analyst | 2 | 2 |
| | Inspector | | 4 |
| | Inspector – Certified | 1 | 3 |
| | Inspector - Lead | | 1 |
| | Instrument Man | | 7 |
| | Party Chief | | 8 |
| | Planner | 1 | 2 |
| | Professional | | 2 |
| | Project Office Manager | | 2 |
| | Principal | 1 | 3 |
| | Rodman | | 3 |
| | Senior Technician | | 8 |

| | | | |
|---|-----------------------------------|---|----|
| | Supervisor – Eng | 3 | 4 |
| | Supervisor – Other | | 2 |
| | Surveyor | | 3 |
| | Technician | | 8 |
| <p>Arcadis</p>  | Principal | 1 | 4 |
| | Environmental Manager | 1 | 4 |
| | Environmental Pro | 2 | 4 |
| | Engineer | 9 | 12 |
| | Supervisor - Eng | 3 | 4 |
| <p>The Lakvold Group</p>  | OTHER (Real Estate Appraiser) | 1 | 1 |
| <p>Civil Design & Construction, Inc.</p>  | Surveyor | 1 | 2 |
| | Party Chief | 3 | 5 |
| | Instrument Man | 2 | 2 |
| | Rodman | 2 | 2 |
| | CADD Operator | 1 | 1 |
| | Senior Technician | 2 | 5 |
| | Supervisor - Other | 1 | 1 |

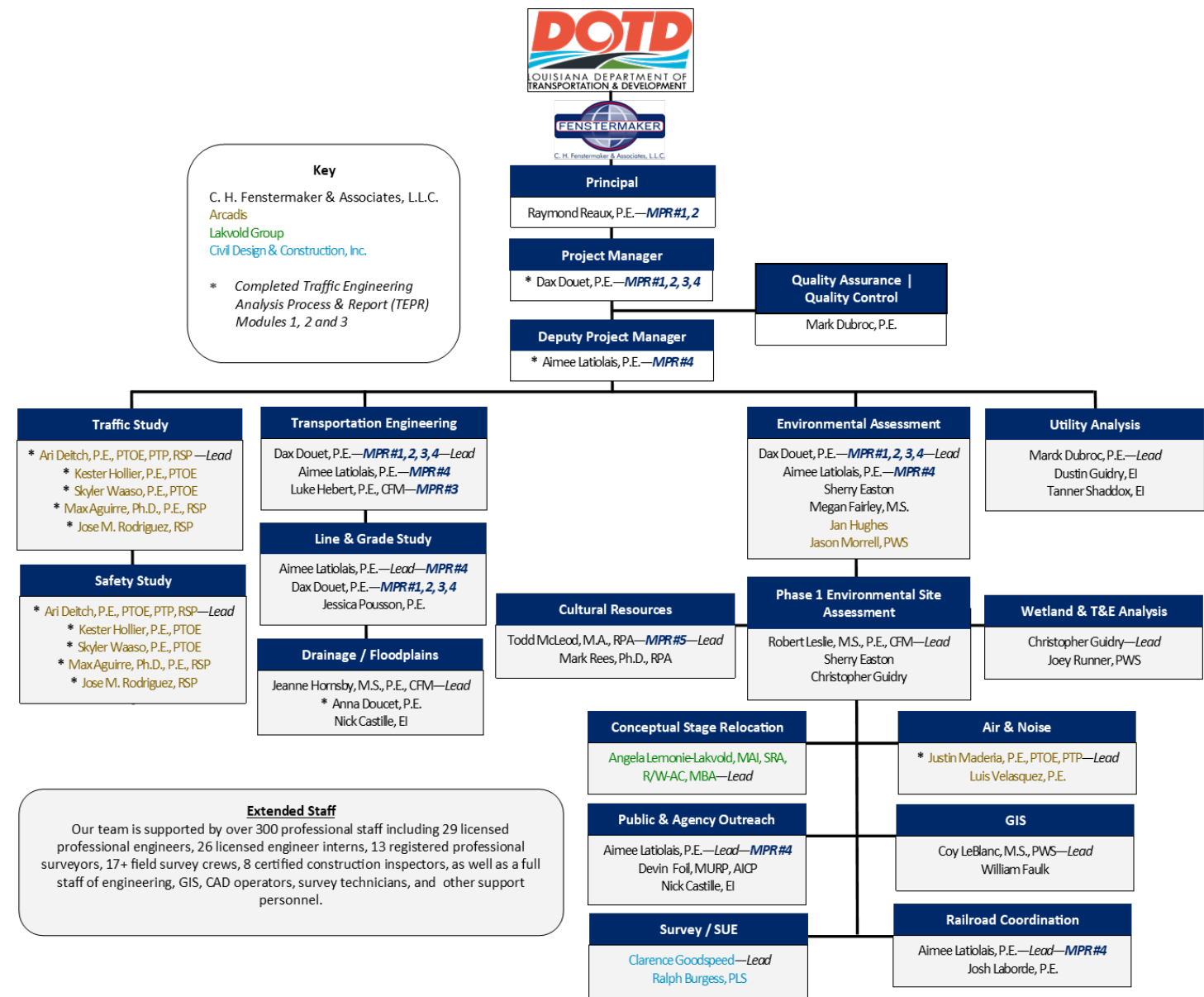
(Add rows as needed)

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.



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.



| MPR No. Do not insert wording from ad | Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement) | Firm employed by | Type of license / certification & number | State of license | License / certification expiration date |
|--|---|---|--|------------------------|--|
| 1 | Raymond Reaux, P.E. | C. H. Fenstermaker & Associates, L.L.C. | Professional Civil Engineer / No. PE.0025322 | LA | 09/30/2023 |
| | Dax Douet, P.E. | C. H. Fenstermaker & Associates, L.L.C. | Professional Civil Engineer / No. PE.0030170 | LA | 09/30/2024 |
| 2 | Raymond Reaux, P.E. | C. H. Fenstermaker & Associates, L.L.C. | Professional Civil Engineer / No. PE.0025322 | LA | 09/30/2023 |
| | Dax Douet, P.E. | C. H. Fenstermaker & Associates, L.L.C. | Professional Civil Engineer / No. PE.0030170 | LA | 09/30/2024 |
| 3 | Dax Douet, P.E. | C. H. Fenstermaker & Associates, L.L.C. | Professional Civil Engineer / No. PE.0030170 | LA | 09/30/2024 |
| | Luke Hebert, P.E., CFM | C. H. Fenstermaker & Associates, L.L.C. | Professional Civil Engineer / No. PE.0034715 | LA | 12/31/2023 |
| 4 | Dax Douet, P.E. | C. H. Fenstermaker & Associates, L.L.C. | Professional Civil Engineer / No. PE.0030170 | LA | 09/30/2024 |
| | Aimee Latiolais, P.E. | C. H. Fenstermaker & Associates, L.L.C. | Professional Civil Engineer / No. PE.0042932 | LA | 03/31/2023 |
| 5 | Todd McLeod, M.A., R.P.A. | C. H. Fenstermaker & Associates, L.L.C. | Register of Professional Archaeologists / RPA No. 36341377 | U.S. | 01/31/2023 |

(Add rows as needed)

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be limited to 2 pages per person. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by **C. H. Fenstermaker & Associates, L.L.C.**

| | | | | | |
|--|-----------------------------|------------|---|---|---|
| Name | Raymond Reaux, P.E. | | Years of relevant experience with this employer | 29 |  |
| Title | Vice President, Engineering | | Years of relevant experience with other employer(s) | 8 | |
| Degree(s) / Years / Specialization | | | B.S. / 1985 / Civil Engineering | | |
| Active registration number / state / expiration date | | | P.E. 25322 / Louisiana / 09.30.2023 |  | |
| Year registered | 1993 | Discipline | Civil & Environmental Engineering | | |
| Contract role(s) / brief description of responsibilities | | | Principal | | |



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 time specified in the applicable MPR(s).


Raymond Reaux, P.E. has over 37 years of engineering and leadership experience including design work, budgeting and planning, project management, overseeing operations, program management, and executive-level administration. Currently serving as Fenstermaker’s Vice President of Engineering, his responsibilities focus on providing strong direction for his team and promoting timely, quality services and exceptional customer service to cultivate an efficient, successful engineering practice within the company. Throughout his tenure at Fenstermaker, Mr. Reaux has supervised and been responsible for all aspects of engineering projects, including preliminary planning and scheduling, cost-estimates, funding securement, and contract administration. His expertise in transportation development, from design to construction administration, is comprehensive and includes **feasibility and alignment studies**, generating plans, utility relocation design, and managing project resources, costs, and schedule. As a dedicated leader and supervisor, Mr. Reaux’s duties also require consistent evaluations for quality control and assurance to maintain the engineering team’s reputation and high standards. Mr. Reaux has attended the ATSSA Traffic Control Technician, Supervisor, and Certified Flagger training courses.

Fulfills Minimum Personnel Requirement Nos. 1 and 2


Completed NHI Course 142005 NEPA & the Transportation Decision-Making Process

| | |
|---------------|--|
| 11/08-present | DOTD Permit No. 03030387: Kaliste Saloom Rd Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette Parish, LA) Mr. Reaux was Fenstermaker’s Principal for the widening of approximately 1.7 miles of Kaliste Saloom Road, an over-capacity major arterial roadway located in the center of Lafayette, Louisiana. This project included widening an existing 2-lane roadway to a 4-lane roadway with a continuous center turn lane. Mr. Reaux oversaw the design for all three phases, as well as led the design efforts of a multi-lane modern roundabout and 5-girder span bridge structure within the project limits. |
| 03/16-present | Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Mr. Reaux served as the Project Principal , overseeing the roadway geometric design, open channel and subsurface drainage design, quality control for water and sewer distribution design and plan production, and construction cost estimating for the extension of Apollo Rd to Dulles Dr. This |


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| | project includes 2.2 miles of a median-divided 4-lane roadway and 6-ft. sidewalks to accommodate both bicyclist and pedestrians, and roundabout design at the intersection of LA 93. |
| 01/17-present | S.P. No. H.011235.5: I-49 South at Verot School Road (LA 339) Interchange (Lafayette Parish, LA) Fenstermaker, as a sub-consultant to Huval & Associates, was selected to perform engineering design services for improvements to the existing intersection of U.S. Highway 90 (US 90) (Future I-49 South) and Verot School Road. Mr. Reaux is currently serving as the firm Principal . |
| 05/17-04/20 | S.P. No. H.001271: Cane River Bridge Church Street Route (LA1-X) Environmental Assessment (Natchitoches Parish, LA) Mr. Reaux served as Fenstermaker's Principal ensuring quality of the project process for the bridge replacement project at Cane River in Natchitoches, LA. Fenstermaker served as the prime consultant managing five additional consulting firms to develop this highly sensitive project environmental document due to the historical context of the project. Through the compilation of all studies required by NEPA and public and agency involvement, Mr. Reaux was the principal in leading the development of the Final EA for the replacement of the Cane River Bridge. The project received a Finding of No Significant Impact (FONSI) document , which was approved by FHWA and LADOTD. |
| 05/13-09/19 | S.P. No. H.010620: US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build (Lafayette Parish, LA) Mr. Reaux served as Fenstermaker's Principal under the Design-Build Contractor, James Construction Group, to upgrade a portion of US 90 to a 6-lane controlled access facility to also include improvements to the existing east and westbound frontage road system, construction of a new overpass structure over both Albertson Parkway and the existing BNSF railroad facility , and construction of all associated US 90 mainline ramps |
| 08/19-10/19 | S.P. No. H.010723 North Blvd Promenade & S.P. No. H.009783 Baton Rouge Greenway (East Baton Rouge Parish, LA) Mr. Reaux served as the Project Principal and Engineer of Record for the North Boulevard Promenade and the Baton Rouge Greenway projects. He oversaw the design of a 10-ft. multi-use path, 5-ft. garden path, bike lanes, and other pedestrian related features within existing medians and roadways . The project required intersection and median design and reconfigurations, complete streets and ADA principles , signage and striping, and other unique features. Additionally, the project features green painted bike lanes, bike boxes, and crossings, which was a first for the State of Louisiana; having been approved by LADOTD. |
| 09/13-04/18 | LADOTD Permit No. 153198, 153357, 153587: Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379) (Calcasieu Parish, LA) Mr. Reaux was the Project Principal and oversaw the engineering and \$11.4 million consulting services for the design of a heavy haul roadway route that is utilized to transport oversized plant modules from the Calcasieu River to the proposed plant site. The project included a 2.4-mile widening of a 2-lane state highway to a 3-lane with shoulders. Mr. Reaux supervised the road design, utility relocation, property acquisition, construction, and LADOTD permits. The project met the expedited schedule for plant heavy haul shipments, and the roadway was constructed within 24 months. |
| 05/17-present | S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA) Mr. Reaux served as project Principal for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. |

| 16. Staff Experience: | | | | |
|--|--|---|-------------------|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Dax Douet, P.E. | Years of relevant experience with this employer | 25 |  |
| Title | Director, Engineer | Years of relevant experience with other employer(s) | 1 | |
| Degree(s) / Years / Specialization | | B.S. / 1997 / Civil Engineering | | |
| Active registration number / state / expiration date | | P.E. 30170 / Louisiana / 09.30.2024 | | |
| Year registered | 2002 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | Project Manager Transportation Engineering – Lead Environmental Assessment – Lead Line & Grade Study | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Dax Douet, P.E. is an Engineering Director with over 26 years of professional civil engineering experience in design, planning, construction oversight, and project management. Mr. Douet’s core experience is in roadway design, transportation corridor studies, line and grade studies, design of roundabouts, environmental assessments, both open channel and subsurface drainage systems, large one and two-dimensional hydrologic numerical modeling, municipal engineering, being a city engineer, public speaking, and project managing large complex, multi-disciplinary projects. Mr. Douet has served as the lead design engineer and project manager on a multitude of various transportation projects ranging from both urban and rural local, collector, and arterial roadways, to large interchange projects on the interstate system. Mr. Douet has completed the NHI Course 142005 NEPA & the Transportation Decision-Making Process course.</p> <div style="border: 1px solid black; background-color: #003366; color: white; padding: 10px; border-radius: 10px; width: fit-content; margin: 10px auto;"> <p>Fulfills Minimum Personnel Requirement Nos.1, 2, 3 and 4</p> <p>Completed NHI Course 142005 NEPA & the Transportation Decision-Making Process and Traffic Engineering Analysis Process & Report (TEPR) Modules 1, 2 and 3 Certification</p> </div> | | | | |
| 05/17-04/20 | Cane River Bridge Church Street Route (LA 1-X) Environmental Assessment (Natchitoches Parish, LA) LADOTD in conjunction with the FHWA prepared a NEPA environmental assessment for the proposed replacement of Cane River Bridge on Church Street Route LA 1-X. Mr. Douet served as the project manager and lead engineer for preparation of the environmental document. He was responsible for all public outreach, agency coordination , preparation of the project line and grade study , coordination of the project’s traffic study , development of project alternatives , development of cost estimates , coordination of the noise and air analysis , coordination of historical and archeological investigations , and coordination of various other environmental analyses. | | | |
| 11/19-12/22 | Upper West Fork Cypress Bayou Watershed Plan-Environmental Assessment (Bossier Parish, LA) Mr. Douet served as the Deputy Project Manager for the NRCS and Town of Plain Dealing Upper West Fork Cypress Bayou Watershed Plan- Environmental Document . Fenstermaker is serving as the prime consultant in developing a supplemental watershed plan and environmental assessment in accordance with current USDA-NRCS and LADOTD state dam safety criteria. The Plan-EA provided alternatives, examined reasonable alternatives in detail, and identified the preferred alternative as the most technically, economically, socially, and environmentally defensible alternative in consultation with NRCS. | | | |
| 01/17-present | S.P. No. H.011235.5: I-49 South at Verot School Road (LA 339) Interchange (Lafayette, LA) Mr. Douet is the Lead Design Engineer responsible for the widening of existing Verot School Road from Pinhook Road (LA 182) to existing US 90 from a 2-lane to a median separated 4-lane roadway facility. Mr. Douet was one of two lead design engineers responsible for the development of a project line and grade study aimed at developing strategies to widen this corridor to reduce right of way and impacts to existing infrastructure. Mr. Douet is also the Lead Engineer for the design of a multi-lane roundabout intersection at the new Verot School Rd intersection with South College Rd. In addition, Mr. Douet led the public outreach by coordinating and hosting a public meeting which followed DOTD procedures. | | | |

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| 05/17-present | S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA) Mr. Douet is serving as Deputy Project Manager for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He is assisting in analyzing project impacts by coordinating and assisting in developing various engineering and technical studies, including line and grade study, GIS mapping, phase 1 environmental assessment, and air and noise impact studies . He is assisting in the coordination of all public and agency outreach activities, including solicitation of views, public participation plans, public hearings, public meetings , and all public and agency comments. |
| 07/10-present | DOTD Permit No. 03030387: Kaliste Saloom Rd Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette Parish, LA) Mr. Douet is currently managing this \$34 million project, which included fast-tracking all real estate appraisals, plats, and construction plans. Mr. Douet is the Lead Design Engineer for the widening of approximately 1.7 miles of Kaliste Saloom Road, an over-capacity major arterial roadway located in the center of Lafayette. Mr. Douet was directly responsible for the development of a line and grade study that allowed the LCG to choose between alternatives and determine the optimal locations for widening based upon impacts to businesses, cost of rights of way, and minimizing impacts to utilities. Mr. Douet led the design team for all three phases, as well as led the design efforts of a multi-lane modern roundabout and 5-girder span bridge structure within the project limits. Mr. Douet was the lead presenter at several public meetings attended by well over 75-100 members of the public and media, performed constructability reviews of all components of the plans by assessing sequencing of construction, understanding the critical path components of the project, and making recommendations to the design staff to adjust design elements to make construction efforts more efficient with live traffic loading. Mr. Douet continues to manage the construction effort. |
| 02/22-present | S.P. No. H.012869 LA 182 (University) @ LA 723 (Renaud) Roundabout (Lafayette Parish, LA) The goal of this project is to design a roundabout which realigns Renaud Drive and Stone Avenue to intersect with University Avenue. This project includes roadway design, hydraulic analysis and design, and utility design . Mr. Douet is the Project Manager . |
| 02/18-present | S.P. No. H.006459 Roundabout at Churchpoint/Roddy Road (Ascension Parish, LA) Mr. Douet is serving as the Engineer of Record on this project redesign. Due to funding restrictions, the project did not get constructed in a timely manner, and Ascension Parish tasked Fenstermaker in 2018 with updating the original submittals (Fenstermaker completed the original roundabout study, categorical exclusion, traffic analysis , geotechnical and pavement design, preliminary and final engineering plans in 2013). Mr. Douet oversaw the development of an updated intersection study and revised environmental categorical exclusion report. He ensured all other prior plan documents were updated in accordance with new DOTD standards including geotechnical and pavement design, engineering plans, drainage plans, right-of-way maps, and all other bid and construction documents. |
| 05/13-09/19 | S.P. No. H.010620: US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build (Lafayette Parish, LA) Under the Design-Build Contractor, James Construction Group, Mr. Douet was the Lead Design Manager for the preparation of all engineering design components of the proposed upgrading of a portion of US 90 to a 6-lane controlled access facility to also include improvements to the existing east and westbound frontage road system, construction of a new 6-lane US 90 overpass structure over both Albertson Parkway and the existing BNSF railroad facility , and construction of all associated US 90 mainline ramps needed to connect these overpass structures and frontage roads. In this role, Mr. Douet was involved directly in every aspect of the design to include roadway, drainage, traffic , and bridge design as well as the design of Mechanically Stabilized Earth Walls needed to construct the US 90 mainline improvements within existing right of way. Mr. Douet was the Engineer of Record for the final design and construction plans for Phase III of the project's roadway and drainage improvements to include developing calculations, meeting design code, development of design exceptions, and coordination of all QA reviews. Mr. Douet was also directly responsible for the management of four engineering sub-consultants on the design-build team to ensure that all design components met the overall goals and expectations of the project. |


| 16. Staff Experience: | | | | |
|--|--|--|-------------------|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Aimee Latiolais, P.E. | Years of relevant experience with this employer | 7 |  |
| Title | Engineer | Years of relevant experience with other employer(s) | 1 | |
| Degree(s) / Years / Specialization | | B.S. / 2014 / Civil Engineering | | |
| Active registration number / state / expiration date | | PE 42932 / Louisiana / 03.31.2023 | | |
| Year registered | 2018 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | Deputy Project Manager Line & Grade Study – Lead Public & Agency Outreach – Lead Railroad Coordination – Lead Transportation Engineering Environmental Assessment | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Aimee Latiolais, P.E. is a Professional Engineer with eight years of experience in design, planning, and construction oversight. Her core experience is in roadway design, both open channel and subsurface drainage systems, traffic studies, line and grade studies, commercial site design, design of roundabouts, and environmental assessments. She has served as a design engineer for a multitude of transportation projects ranging from urban local to collector and arterial roadways. She has attended the ATTSA Traffic Control Technician, Traffic Control Supervisor, and Certified Flagger training courses.</p> <div style="border: 1px solid black; background-color: #003366; color: white; padding: 10px; margin-top: 10px;"> <p>Fulfills Minimum Personnel Requirement No. 4</p> <p>Completed NHI Course 142005 NEPA & the Transportation Decision-Making Process and Traffic Engineering Analysis Process & Report (TEPR) Modules 1, 2 and 3 Certification</p> </div> | | | | |
| 05/17-04/20 | Cane River Bridge Church Street Route (LA1-X) Environmental Assessment (Natchitoches Parish, LA) LADOTD in conjunction with the FHWA prepared a NEPA environmental assessment for the proposed replacement of Cane River Bridge on Church Street Route LA 1-X located in Natchitoches Parish, Louisiana. Fenstermaker serves as the prime consultant managing five consulting firms to develop this highly sensitive project environmental document due to the historical context of the project. Ms. Latiolais assisted with public outreach , agency coordination , and preparation of the project line and grade study . | | | |
| 01/21-04/21 | LA 37 Sullivan Road to Liberty Road (East Baton Rouge Parish, LA) Fenstermaker was the prime consultant for this Stage 0 feasibility study and environmental inventory. Ms. Latiolais prepared the project line and grade conceptual layout and associated cost estimate. | | | |
| 01/17-present | S.P. No. H.011235.5: I-49 South at Verot School Road (LA 339) Interchange (Lafayette Parish, LA) Ms. Latiolais is a Design Engineer responsible for the widening of existing Verot School Road from Pinhook Road (LA 182) to existing US 90 from a 2-lane roadway to a median separated 4-lane roadway facility. She is designing horizontal and vertical roadway elements, intersection improvements to include a multi-lane roundabout, and open channel and subsurface drainage along Verot School Road, South College Road, Hugh Wallis Road, and the Service Road. Aimee is also in responsible charge of the drainage outfall networks needed for the mainline roadway drainage. Prior to design, Ms. Latiolais aided in the project line and grade study and hosting the public meeting which followed the procedures set forth by DOTD. | | | |
| 05/17–present | S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA) Ms. Latiolais was an engineer for the line and grade study portion of the Environmental Assessment . She assisted in the layout of three alternatives to the existing 2-lane roadway, which include combinations of 3-lane, 4-lane median-divided boulevard, and intersection improvements for the 1.4- | | | |

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| | mile corridor. Intersection improvements include two proposed roundabouts at Vancil Road and Avant Road, which were both designed by Ms. Latiolais. |
| 02/22-present | Spanish Trail Industrial Park Access Road (St. Martin Parish, LA) Ms. Latiolais is the Project Manager and Lead Design Engineer for the new Lake Talon Road at LA 182 (Old Spanish Trail Hwy) intersection. This intersection includes an at-grade BNSF railroad crossing , acceleration, and deceleration lanes, along with a dedicated left turn lane. She is actively coordinating with both BNSF Railway and DOTD for project permits. |
| 09/15-present | DOTD Permit No. 03030387: Kaliste Saloom Rd Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette Parish, LA) Ms. Latiolais is currently overseeing the construction of this \$34 million project. Ms. Latiolais is a Design Engineer for the widening of approximately 1.7 miles of Kaliste Saloom Road, an over-capacity major arterial roadway located in the center of Lafayette, Louisiana. Aimee was responsible for the subsurface drainage design for the entire project and utility relocations at the roundabout intersection, as well as, creating the official Opinion of Probable Cost and necessary construction documents. She also assisted in permitting, hosting several public meetings , and agency coordination with LCG, DOTD, and DHH. She continues to aid in managing the construction effort on this project. |
| 12/19-present | Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Ms. Latiolais is the Lead Design Engineer and Engineer of Record for Phase 3 of the new 2.2-mile, 4-lane boulevard roadway in Scott, LA. She is responsible for the design of approximately 0.75 miles of the urban arterial roadway and open channel hydraulics. At the request of the project owners, Ms. Latiolais also produced an informal line and grade study for a multi-lane roundabout intersection with Apollo Road and the future Eraste Landry Road extension. |
| 02/22-present | S.P. No. H.012869 LA 182 (University) @ LA 723 (Renaud) Roundabout (Lafayette Parish, LA) The goal of this project is to design a roundabout which realigns Renaud Drive and Stone Avenue to intersect with University Avenue. This project includes roadway design, hydraulic analysis and design, and utility design. Ms. Latiolais is serving as Deputy Project Manager . |
| 02/16 – 05/18 | Stage 0 Feasibility Study of Modern Roundabouts (Lafayette Parish, LA) Ms. Latiolais aided in traffic studies and roundabout designs for various intersections as part of Fenstermaker's contract to complete 30 Stage 0 Feasibility Studies of conceptual roundabout locations throughout Lafayette Parish for the Acadiana Metropolitan Planning Organization. Ms. Latiolais utilized SIDRA INTERSECTION to aid in the traffic study of two conceptual roundabout locations. She also designed, or aided in the design, of six conceptual roundabouts varying from single lane to multi-lane and multi-approach roundabouts. |
| 03/19-present | Frem Boustany Drive Extension (Lafayette Parish, LA) Ms. Latiolais oversaw the construction of Phase 1 of this new 0.25 mile, 2-lane median-divided boulevard roadway which includes dedicated bike lanes and curb adjacent sidewalks . Aimee assisted with the subsurface hydraulic design, construction document preparation, and was in responsible charge of managing the construction effort. Phase 2 of this project includes an extension of the roadway and crossing of the Isaac Verot Coulee. Ms. Latiolais is the Project Manager for this phase and was in responsible charge of the line and grade study performed which considered alternative alignments. |
| 08/14-present | Nelson Road and Ham Reid Road Roundabout & Design (Calcasieu Parish, LA) Ms. Latiolais served as a design engineer and quality control reviewer of the subsurface drainage design. This project improved the existing intersection to a multi-lane roundabout in Calcasieu Parish, Louisiana. |
| 09/20-present | LA 93 Corridor Study (Lafayette Parish, LA) Ms. Latiolais is aiding in the traffic study to widen LA 93 from I-10 to Renaud Drive. The proposed roadway will be a 4-lane boulevard roadway and include two roundabouts. Aimee is in responsible charge of the conceptual design of the roadway. |

| 16. Staff Experience: | | | | |
|---|---|--|-------------------|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Mark Dubroc, P.E. | Years of relevant experience with this employer | 2 |  |
| Title | Senior Engineer | Years of relevant experience with other employer(s) | 39 | |
| Degree(s) / Years / Specialization | | B.S. / 1980 / Civil Engineering | | |
| Active registration number / state / expiration date | | P.E. 22618 / Louisiana / 03.31.2023 | | |
| Year registered | 1987 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | Quality Assurance / Quality Control Utility Analysis - Lead | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Mark Dubroc, P.E. is a Senior Engineer with over 41 years of professional civil engineering experience. As Principal of Dubroc Engineering, Inc. for 23 years, Mr. Dubroc gained extensive experience in civil engineering consulting, with a wide variety of clients and projects including urban and rural roadway and drainage designs, highway bridge design, solid waste transfer facilities, site planning, residential land developments, municipal water and sewer collection systems, and various other civil and structural design projects. Most recently, Mr. Dubroc served as Public Works Director of Lafayette Consolidated Government, where he managed 335 Public Works employees, with an operating budget of \$58 million, an annual Capital Improvement Program of \$50 million, and a 5-Year Capital Plan budget of \$250 million, which included 375 projects. He managed the Capital Improvements Division, that included the Design & Development Section, ROW Section, Project Control Section and the Estimates and Administration Section. He also managed the Operations Divisions, which included street, drainage and vehicle maintenance divisions, and the Traffic and Transportation Division responsible for traffic engineering, traffic maintenance (signs and markings), traffic signals maintenance transit operations, and parking.</p> | | | | |
| 04/20-12/22 | Upper West Fork Cypress Bayou Environmental Assessment (Bossier Parish, LA) Fenstermaker prepared an Environmental Assessment for three dam reservoirs for the Upper Fork Cypress Lake System needing rehabilitation for the Town of Plain Dealing, Bossier Parish. This assessment required Fenstermaker’s environmental and survey departments. Mr. Dubroc was responsible for reviewing all data, the survey proposal, the hydrology modeling of the watershed, and for performing quality assurance reviews . | | | |
| 08/03-06/17 | *S.P. No. H.005508 Verot School Rd. Urban Section (LA 339) Widening and H.005698 Drainage Outfalls (Lafayette Parish, LA) Mr. Dubroc served as the Principal and Project Manager for this \$44.2 million project for the widening of 3.3 miles of rural 2-lane open ditch highway to urban 4-lane median-divided and 5-lane arterial roadway with extensive subsurface drainage systems, including major drainage improvements to 3 extensive subsurface drainage systems. Mr. Dubroc provided design engineering for drainage, geometric designs, structural design of culverts, Topographic and ROW Surveys and maps, and preliminary and final plans for this LADOTD project. | | | |
| 08/19-present | Apollo Rd at LA93 (Dulles Dr) Roundabout (Lafayette Parish, LA) Fenstermaker was selected to provide engineering services to the City of Scott to extend Apollo Road to Dulles drive. This fourteen-million-dollar construction project included two miles of a four-lane boulevard and eight-foot sidewalks to accommodate both bicyclist and pedestrians. The new roadway intersected LA 90 and LA 93, which were designed for a bow-tie intersection and roundabout, respectively. Mr. Dubroc performed the quality assurance review for the project plans. | | | |
| -- | *Bluebird Drive Extension – Phase II (Lafayette, LA) Mr. Dubroc served as the Principal and Project Manager for this \$1.2 million project for the construction of 0.6 miles of urban four lane median divided collector roadway with subsurface drainage systems. Mr. Dubroc led the design team for Topographic and Right of Way Surveys and Maps, Preliminary and Final Plans and | | | |

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| | Specifications, and Construction Administration for this Lafayette Consolidated Government project. Quality assurance was an integral part of the design and administration of the work. |
| -- | *Camellia Boulevard Extension – Phase III (Lafayette, LA) Mr. Dubroc served as the Principal and Project Manager for this \$16.8 million project for the new construction of 1.1 miles of urban four lane median divided arterial roadway with subsurface drainage systems, including acres of multiple stormwater detention ponds. Mr. Dubroc led the design team for all aspects of Topographic and Right of Way Surveys, Right of Way Maps, Preliminary and Final Plans and Specifications, and Construction Administration for this Lafayette Consolidated Government project, and was responsible for all quality assurance requirements. The stormwater detention facility designed and constructed with the Camellia Blvd project is the only such facility constructed in conjunction with a publicly funded roadway project in the Acadiana region. |
| -- | *Eraste Landry Road Widening (Multiple Phases) (Lafayette, LA) Mr. Dubroc served as Project Engineer and Lead Design Engineer for this multiphase \$10.6M project for the widening of 1.8 miles of two-lane rural roadway to urban five lane arterial roadway with extensive subsurface drainage systems. Mr. Dubroc managed all design tasks for one phase of the project, and provided design engineering for drainage systems, geometric designs, structural design of box culverts and small bridge structures, and various other aspects of Topographic and Right of Way Surveys, Right of Way Maps, Preliminary and Final Plans and Specifications, and Construction Administration for this Lafayette Consolidated Government project. |
| -- | *East University Avenue Extension (Lafayette Parish, LA) Mr. Dubroc served as Design Engineer for this \$4.6 million project for the extension of 0.8 miles of urban four lane median-divided arterial roadway with extensive subsurface drainage systems. The project included a railroad underpass with drainage pump station, a fixed-span bridge over the Vermilion River (USACE, US Coast Guard), retaining walls for transverse grade differentials, a major intersection with a federal highway (DOTD, FHWA) located in the local FAA airspace (FAA), and a section traversing a closed landfill (EPA, LA-DEQ). Mr. Dubroc provided design engineering for drainage systems, geometric designs, structural design of concrete retaining walls, bridge spans and girders, and various other aspects of Topographic and Right of Way Surveys and Maps, Preliminary Plans, Final Plans and Specifications, and Construction Administration for this City of Lafayette project. |
| -- | *Kaliste Saloom Rd. Widening (LA 3095) (Pinhook Rd. to Ambassador Caffery) (Lafayette Parish, LA) Mr. Dubroc served as design engineer for this \$8.7 million project for the widening of 2.9 miles of two-lane open ditch rural highway to urban five lane arterial roadway with extensive subsurface drainage systems. He provided design engineering for drainage systems, geometric designs, structural design of box culverts, and various other aspects of Topographic and Right of Way Surveys, Right of Way Maps, Preliminary Plans, and Final Plans. |

**Worked performed for another firm.*

| 16. Staff Experience: | | | | | |
|--|--|---|-------------------|---|--|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | | |
| Name | Luke Hebert, P.E., CFM | Years of relevant experience with this employer | 18 |  | |
| Title | Director, Engineer | Years of relevant experience with other employer(s) | 1 | | |
| Degree(s) / Years / Specialization | | B.S. / 2003 / Civil Engineering | | | |
| Active registration number / state / expiration date | | PE 34715 / Louisiana / 09.30.2023 | | | |
| Year registered | 2018 | Discipline | Civil Engineering | | |
| Contract role(s) / brief description of responsibilities | | Transportation Engineering | | | |
| Experience dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | | |
| <p>Luke Hebert P.E., CFM is a Professional Engineer and Engineering Director over 19 years of experience in engineering design, planning, and project management. During his career, Mr. Hebert has been part of many different types of designs ranging from various roadway types (<i>i.e.</i>, local, collector, arterial and freeway), surface and sub-surface drainage systems, water and sewer distribution system and water and sewer treatment. In 2013 Mr. Hebert was appointed by the Mayor of Carencro as the engineer for the City. One of his main focuses is working with developers on new commercial and residential developments. Since 2013 Mr. Hebert has been involved with over 20 new developments located within the City of Carencro and has managed them through planning, construction, and final acceptance. He has also provided Application Preparation, Program Management and Design Services to the City for Community Development Block Grants (CDBG), Facility Planning & Control (FP&C)–Capital Outlay, FEMA, USACE/DOTD, U.S. Dept. of Agriculture (USDA) Loan, Office of Community Development–Community Water Enrichment Fund, and Louisiana Dept. of Health. In total, Mr. Hebert has assisted the City with the acquisition and management of nearly \$18 Million in Federal and State project funding and lead the City to a FEMA Community Rating System Class 7. Mr. Hebert is proficient in Bentley Software such as MicroStation, Storm and Sanitary, and InRoads (Bentley Software), LADOTD's HYDRWIN and AutoTurn. Additionally, Mr. Hebert is a Certified Floodplain Manager.</p> | | | | | |
| 04/17-present | S.P. H.012792 LA 675 Roundabout at ARA Access Road (Iberia Parish, LA) Fenstermaker is preparing construction plans and acquisition documents for the LA 675 Roundabout at Acadiana Airport Access Roadway in Iberia Parish. ARA Access Road will be extended to the south to connect to LA 675. The roundabout will be constructed at this connection. Reconstruction of the US Frontage Road will also be completed. Mr. Hebert is serving as the project manager. | | | | |
| 2005 - present | East Pont des Mouton, Phase II Roadway Widening (Lafayette Parish, LA) Mr. Hebert was the Lead Design Engineer for roadway widening improvements of East Pont des Mouton, Phase II commencing at the Interstate 49 for Lafayette Consolidated Government. This project entailed the widening of a 2-lane asphalt road into a 5-lane, concrete urban arterial road. Mr. Hebert was responsible for all horizontal and vertical alignments, typical sections , utility relocation, geometric detailing, intersection design , drainage design, sequencing of construction, quantity calculations, and the production of plans and specifications. Mr. Hebert also acted as the Lead Construction Engineer. | | | | |
| 07/10-10/16 | LADOTD Permit No. 03030387: Kaliste Saloom Rd Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette, LA) The project commences approximately 1,500-ft. southwest of E. Broussard Rd (LA Hwy 733) and terminates near Ambassador Caffery Pkwy (LA 3073) and includes a multi-lane modern roundabout. Mr. Hebert served as an engineer on this project and assisted with the roundabout design, including geometrics and other roadway related design and waterline layout and design. | | | | |
| 05/13-08/16 | S.P. No. H.010620: US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build (Lafayette Parish, LA) Under the Design-Build Contractor, James Construction Group, Mr. Hebert was the Lead Roadway Design Engineer directly | | | | |


Fulfills Minimum Personnel Requirement No. 3

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| | responsible for the design of all roadway improvements associated with the upgrading of a portion of US 90 in Lafayette Parish to a 6-lane controlled access facility. It also included improvements to the existing east and westbound frontage road system, construction of a new six-lane US 90 overpass structure over both Albertson Parkway and the existing BNSF railroad facility , and construction of all associated US 90 mainline ramps needed to connect these overpass structures and frontage roads. Mr. Hebert directly designed all horizontal and vertical roadway alignments, typical sections , sequencing of construction, geometric detailing, erosion control, and tabulation of quantities for the contractor. In addition, Mr. Hebert was directly responsible for the layout of Mechanically Stabilized Earth Walls (MSEW), concrete panels used to keep all US 90 mainline improvements within existing right of way. |
| 03/16-09/17 | Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Fenstermaker was selected to provide engineering services to the City of Scott to extend Apollo Rd to Dulles. This \$15 million construction project includes 2.2 miles of a four-lane boulevard and 6-ft. sidewalks to accommodate both bicyclist and pedestrians. The new roadway intersects LA 90 and LA 93, which were designed for a bow-tie intersection and roundabout, respectively. Mr. Hebert was responsible for quality control of the final design plans prior to advertisement. |
| 04/15-11/16 | Coach Williams Blvd. Extension (Calcasieu Parish, LA) Mr. Hebert assisted with quality control of the preliminary and final design plans prior to moving forward with advertisement. This project consists of the design of a \$18.4 million – 3-mile roadway extension of Coach Williams Blvd to connect to Houston River Rd (LA 379). The new roadway includes a two-lane open ditch typical section with a roundabout, railroad crossing , Sabine River Authority Canal crossing, and will traverse through multiple wetland areas and will likely traverse over abandoned borrow pits. Fenstermaker is the Prime on this project and is responsible for the environmental assessments prior to design, drainage design, pavement design, and the geometrics of the road. |
| 02/15 – 04/18 | LADOTD Permit No. 153198, 153357, 153587: Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379) (Calcasieu Parish, LA) Mr. Hebert served as a Project Engineer for Fenstermaker's \$11.4 million engineering and consulting contract with Fluor. Fenstermaker was responsible for the engineering design of the 2.4-mile heavy haul route that was utilized to transport the oversized modules from the Calcasieu River to the proposed plant site in Westlake, Louisiana. Mr. Hebert was directly responsible for design of intersection improvements at the John Stine/Sampson, Houston River Road /Beglis, and Sulphur/Sampson intersections. |

16. Staff Experience:


Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be limited to 2 pages per person. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by **C. H. Fenstermaker & Associates, L.L.C.**


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|---|---|--|---|----|---|
| Name | Todd McLeod, M.A., RPA | | Years of relevant experience with this employer | 2 |  |
| Title | Cultural Resources Specialist | | Years of relevant experience with other employer(s) | 14 | |
| Degree(s) / Years / Specialization | | M.A. / 2015 / Anthropology B.A. / 2007 / Anthropology | | | |
| Active registration number / state / expiration date | | N/A | | | |
| Year registered | N/A | Discipline | N/A | | |
| Contract role(s) / brief description of responsibilities | | Cultural Resources – Lead | | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | | |
| <p>Todd McLeod, RPA, is a Cultural Resources Specialists/Archaeologist. He has 14 years of professional archaeological experience. Much of this experience has been in an interdisciplinary environment, working closely with biologists, geologists, environmental scientists, GIS specialists, and engineers on a regular basis. Mr. McLeod has worked on over 200 projects conducted across the states of Texas, Oklahoma, Wyoming, Kansas, New Mexico, Arkansas, Louisiana, and Mississippi.</p> <p>Mr. McLeod completed the course on Section 106 of the National Historic Preservation Act offered by the Advisory Council on Historic Preservation. He has over 8 years of supervisory experience, serving in such capacities as Principal Investigator, Field Director, and Laboratory Director. He has broad experience with numerous Federal and State regulatory agencies and legislation including NHPA, NEPA, and Section 106 (NHPA). Mr. McLeod has conducted environmental and cultural resource monitoring surveys, metal detector surveys, Phase I and Phase II surveys, along with archaeological site impact assessments. He has experience with a wide range of modern geophysical and remote sensing equipment in addition to Geographical Information Systems (GIS) software. Todd has overseen the curation of materials for multiple large projects which have been submitted to both state and federal curatorial facilities. He integrates all these skills and proficiencies to effectively assist clients with challenges that span the spectrum of regulatory requirements.</p> | | | | | |
| 06/20 – 01/21 | S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA) Fenstermaker was contracted to provide an Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along 1.4-miles of US 80. Mr. McLeod provided support and review of the cultural resources report that was submitted to Fenstermaker by SPARC, LLC, the cultural resource firm that Fenstermaker was subcontracted to, to conduct the field studies. | | | | |
| 06/20 – 08/20 | Mall of Louisiana Transmission Lines (East Baton Rouge, LA) Fenstermaker conducted a wetland assessment, a threatened and endangered species survey, a cultural resources survey, and a Phase I environmental site assessment for proposed transmission lines associated with the Mall of Louisiana substation located in East Baton Rouge Parish. Mr. | | | | |

Fulfills Minimum Personnel
Requirement No. 5



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| | McLeod documented the findings and recommendations for an intensive cultural resources survey of approximately 11.45 acres in Baton Rouge. One site (16EBR233) was recorded during the survey and the report was submitted to the Louisiana Division of Archaeology. Mr. McLeod served as the Principal Investigator of the project and supervised all field investigations. |
| 08/21 – 02/22 | Kitchco Ryans Way Project (Webster Parish, LA) Mr. McLeod served as the principal investigator for the cultural resources survey for the proposed 50-acre development property. The project was conducted in support of application for the Louisiana Economic Development Site Certification Process. Three sites (16WE439, 16WE440, and 16WE441) were recorded during the survey and the report was submitted to the Louisiana Division of Archaeology. Mr. McLeod supervised all field investigations associated with the project. |
| 09/21 | Industrial Drive Minden Site (Webster Parish, LA) Mr. McLeod served as the principal investigator for the cultural resources review for the proposed 26.5-acre development property. The project was conducted in support of application for the Louisiana Economic Development Site Certification Process. |
| 07/21 | Holly Ridge Transmission Line (Richland Parish, LA) Mr. McLeod served as the principal investigator for the cultural resources survey for the proposed power transmission line located in Richland Parish. |
| 06/21 | Whiskey Bay to RIGS Pipeline (Bossier Parish, LA) Mr. McLeod served as the principal investigator for the cultural resources survey for the proposed 2-mile natural gas pipeline located in Bossier Parish. |
| 03/21 | Gilliam 23-13-14 Well Pad and Access Road (De Soto Parish, LA) Mr. McLeod served as the principal investigator for the cultural resources survey of a proposed well pad and access road located in De Soto Parish. |
| 01/21 | Burreaux A Well Pad and Access Road (Caddo Parish, LA) Mr. McLeod served as the principal investigator for the cultural resources survey for the proposed well pad and access road located in Caddo Parish. |
| 10/21-01/22 | Phase I Cultural Resources Investigation of the Proposed Southern University Ravine Stabilization Project (East Baton Rouge Parish, LA) Mr. McLeod served as the principal investigator . The report presents the findings and recommendations for the survey of an approximately 28-acre ravine stabilization project. The report was submitted to the USACE-New Orleans District. |
| 08/21-10/21 | Phase I Cultural Resources Investigation for Trinity Operating, LLC's Proposed Lungo G Well Pad and Access Road (Caddo Parish, LA) Mr. McLeod served as the principal investigator . The report presents the findings and recommendations for the targeted cultural resources survey of approximately 5-acre well pad and 0.4-mile access road. Submitted to USACE - Vicksburg District. |
| 2017 | Phase I Archaeological Survey of the Proposed Terrebonne to Bayou Vista Transmission Line Project (Assumption & Terrebonne Parishes, LA) Mr. McLeod assisted with the Phase I Archaeological Survey. The report documents the findings and recommendations for the intensive cultural resources survey of a proposed 23.68-mile pipeline and was submitted to Louisiana Division of Archaeology. |

| 16. Staff Experience: | | | | |
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| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Jeanne Hornsby, M.S., P.E., CFM | Years of relevant experience with this employer | 16 |  |
| Title | Director, Engineer | Years of relevant experience with other employer(s) | 2 | |
| Degree(s) / Years / Specialization | | B.S. / 2005 / Civil Engineering M.S. / 2007 Hydraulics and Environmental Engineering | | |
| Active registration number / state / expiration date | | P.E. 36717 / Louisiana / 03.31.2024 | | |
| Year registered | 2011 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | Drainage / Floodplains - Lead | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Jeanne Hornsby, M.S., P.E., CFM is an Engineering Director at Fenstermaker with 18 years of engineering, project management, and quality control experience. Her main responsibilities include managing, designing, and completing quality control on multi-million-dollar projects that range from roadway design and construction to coastal and storm water management for both the public and private sectors. She leads Fenstermaker’s Water Resources Team and her expertise has developed through the successful completion of numerous numerical modeling analyses, roadway drainage designs, and stormwater master plans in Louisiana, Texas, and Florida. She has also worked closely with the LADOTD on roadway design projects and Environmental Impact Statements. She has held this role on various projects and has completed quality reviews for agencies, including Calcasieu Parish Police Jury, Lafayette Consolidated Government, CPRA, LADOTD, City of Scott, and City of Carencro. She was instrumental in generating the current quality control process for Fenstermaker’s engineering division. She is well versed in a variety of hydrologic and hydraulic software and applications including the USACE HEC suite (HEC-HMS, HEC-RAS, HEC-DSS, HEC-METVUE, HEC-FIA), LADOTD HYDRWIN Software, Danish Hydraulic Institute (DHI) MIKE Suite, and accompanying GIS applications. She is also a certified floodplain manager.</p> | | | | |
| 05/13-09/19 | S.P. No. H.010620: US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build (Lafayette Parish, LA) Ms. Hornsby was the lead quality controller for the hydrologic and hydraulic portion of this project. Ms. Hornsby ensured that drainage design elements of this project were in conformance with the LADOTD Hydraulics Manual . She reviewed model setup and assumptions, as well as other design elements for both the final construction and sequence of construction. This review included the use of LADOTD HYDRWIN software as well as the USACE HEC Suite. | | | |
| 03/17-present | Coulee Mine Branch and Tributaries: Hydraulic Re-Study (Lafayette Parish, LA) Ms. Hornsby is the Project Manager and lead numerical modeler . Fenstermaker was requested by the Lafayette Consolidated Government to provide professional hydraulic modeling, hydrologic monitoring, and topographic surveying services to revise the effective Flood Insurance Rate Map data for Coulee Mine Branch and Tributaries. The scope of the study includes hydraulic modeling and re-mapping of the regulatory floodplain, base flood elevation, and floodway designations for the following study reaches: 1) Coulee Mine Branch from the downstream cross section at Congress Street to confluence with N. University Ave. Coulee; 2) N. University Ave. Coulee from the confluence with Coulee Mine Branch eastward to Patterson Street (1.6 channel miles) | | | |


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| | total studied). The existing hydraulic study does not account for major channel improvements as well as land use changes that have occurred since the time of publication prior to 2000. The objectives of the project are to provide: a topographic survey database for the study reaches including channel and structure surveys, a photo database of the hydraulic structures located in the study reaches, a basin-wide HEC-HMS model, a steady HEC-RAS model which meets FEMA's requirements for an Enhanced Study (Detailed Riverine) Hydraulic Model, digital Map Products (floodplain and floodway boundaries , flood risk tabulations) which meet FEMA's requirements for Digital Flood Insurance Rate Map (DFIRM) production, and coordinate with LCG for the Letter of Map Revision (LOMR) process with FEMA. |
| 03/12-present | Post Storm Services – March 2012 and August 2016 (Lafayette, Iberia, & Acadia Parishes, LA) In August of 2016, several parishes experienced historical rainfall and flooding. To capture high water marks and perform post storm numerical modeling, Ms. Hornsby is the City Engineer for Scott, Louisiana and was the lead project manager and technical lead for developing hydrologic and hydraulic one and two-dimensional HEC-HMS and HEC-RAS models using storm data to predict future flooding in areas having both unmapped and Zone X FEMA FIRM designations. These analyses were used to have better floodplain management using best available data for these unmapped and non-flood zones that experienced flooding. Ms. Hornsby developed HEC-RAS geometry, boundary conditions, rainfall data, and performed an overall assessment of the validity of the results. |
| 04/20-08/20 | LCG 2020 Drainage Master Plan, Phase 1: Drainage Maintenance Program (Lafayette Parish, LA) Fenstermaker was contracted to develop proactive drainage maintenance program. The project included completing an inventory of the City's drainage staffing levels, equipment, and funding requirements; holding workshops with Parish Staff from maintenance, public works, finance, and civil service to review process and procedures; developing crew, equipment, and contracting options to reduce Requests for Services from an 18-month backlog to four months; prioritizing proactive drainage maintenance for roadside ditches, subsurface drainage, and laterals to reduce service request response time; creating a Story Map for all drainage information in which this webpage will include informative information as well as the capability to track ongoing and future project status. Ms. Hornsby worked with the Parish to develop a maintenance plan and prioritization. |
| 05/19-04/20 | City of Scott Drainage Improvement Plan (Lafayette Parish, LA) Ms. Hornsby served as the principal-in-charge to develop the Drainage Improvement Plan for the City of Scott to be used as an adaptive document that is to be utilized as a resource for day-to-day activities. Fenstermaker was contracted to provide the following services: update the city's drainage inventory, prioritizing channel clearing/grading, identifying channel modifications/increase capacity, prioritizing ditch cleaning, prioritizing bridge replacements and upgrades, identifying cross drain, storm sewer, and detention facility maintenance and upgrades, open space identification, and finally capital improvement projects. Fenstermaker identified funding sources including HMGP, CDBG, DOTD, and USACE for implementation of proposed projects. Since adoption, Ms. Hornsby has aided in securing approximately \$3.5 million in funding through HMGP. |
| 05/13 - 08/16 | LADOTD Permit No. 03030387: Kaliste Saloom Road Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette Parish, LA) Ms. Hornsby was the drainage quality manager on this project. She reviewed the no-rise analysis for the bridge design which included a pre-post analysis of the bridge and channel armoring. For this project HEC-HMS and HEC-RAS were utilized. She also ensured that the drainage design followed Lafayette Consolidated Government and LADOTD Hydraulic standards. |

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| 16. Staff Experience: | | | | |
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Anna Doucet, P.E. | Years of relevant experience with this employer | 7 |  |
| Title | Manager, Engineer | Years of relevant experience with other employer(s) | 0 | |
| Degree(s) / Years / Specialization | | B.S. / 2014 / Civil Engineering | | |
| Active registration number / state / expiration date | | P.E. 43469 / Louisiana / 09.30.2023 | | |
| Year registered | 2014 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | Drainage / Floodplains | | |
| Experience dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Anna Doucet, P.E. is a Professional Engineer with over seven years of experience in roadway design, hydrologic and hydraulic modeling, project management, and construction management for both transportation and water resources projects. She has served as project manager and deputy project manager on multi-million-dollar projects for both the public and private sector. She has also served as the engineer of record on civil design projects for a wide variety of clients including Lafayette Consolidated Government, Calcasieu Parish Police Jury, Sasol, and the City of Scott. Ms. Doucet has completed several water resources projects including numerical hydrologic and hydraulic modeling for the use of floodplain mapping, FEMA No-Rise, and FEMA LOMR. She has also utilized the numerical modeling for evaluating future conditions of drainage basins and proposing economical projects that would benefit individual watersheds. She currently serves as the City of Scott’s City Engineer Consultant. She has worked with the City of Scott on comprehensive master planning, roadway and drainage projects, funding applications, and utility digitization projects.</p> <div style="border: 1px solid black; background-color: #003366; color: white; padding: 10px; text-align: center; width: fit-content; margin: 10px auto;"> Completed Traffic Engineering Analysis Process & Report (TEPR) Modules 1, 2 and 3 Certification </div> | | | | |
| 05/17-04/20 | Cane River Bridge Church Street Route LA 1-X Environmental Assessment (Natchitoches Parish, LA) LADOTD in conjunction with the FHWA prepared a NEPA environmental assessment for the proposed replacement of Cane River Bridge on Church Street Route LA 1-X. Ms. Doucet served as a Transportation Engineer for the Environmental Assessment. She assisted in developing the line and grade study and conceptual plans. The project culminated in a Finding of No Significant Impact (FONSI) through LADOTD and FHWA. | | | |
| 02/16-present | Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Ms. Doucet serves as the deputy project manager for this \$15 million construction project in the City of Scott. She also assisted with drainage design and quantities of Phase 1 for this project. For the Phase 2 portion of this project, she is the Engineer of Record. She completed final roadway design plans, which included a roundabout design, utility relocation coordination, agency coordination, and is assisting in construction administration. This project includes 2.2 miles of dual six-foot sidewalks and a pedestrian bridge to connect the corridor to the Acadiana High School. She was also responsible for the subsurface drainage design in combination with the paved gutter drains draining into open ditches. The last aspect of this project is the Community No Rise associated with the road improvements in this area. | | | |
| 08/15-10/15 | S.P. No. H.010620: US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build (Lafayette Parish, LA) Under the Design-Build Contractor, this project consists of upgrading a portion of US 90 in Lafayette Parish to a six- | | | |

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| | lane controlled access facility to also include improvements to the existing east and westbound frontage road system, construction of a new six-lane US 90 overpass structure over both Albertson Parkway and the existing BNSF railroad facility , and construction of all associated US 90 mainline ramps needed to connect these overpass structures and frontage roads. Ms. Doucet assisted with Quality Control for the drainage design . |
| 07/18-present | S.P. No. H.006459 Roundabout at Churchpoint/Roddy Road (Ascension Parish, LA) Ms. Doucet is assisting with Project Management and is responsible for re-design of this project. Due to funding restrictions, the project was not constructed in a timely manner, and Ascension Parish tasked Fenstermaker in 2018 with updating the original submittals (Fenstermaker completed the original roundabout study, categorical exclusion, traffic analysis, geotechnical, pavement design, preliminary and final engineering plans in 2013). Ms. Doucet is tasked with agency coordination, traffic analysis, roadway and drainage design , utility coordination, quantities, and cost estimates. |
| 07/16-present | DOTD Permit No. 03030387: Kaliste Saloom Rd Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette Parish, LA) The project commences approximately 1,500 feet southwest of E. Broussard Rd (LA Hwy. 733) and terminates near Ambassador Caffery Parkway (LA 3073). Fenstermaker was in direct responsible charge of all design components and construction management. Ms. Doucet assisted with the sampling plan and the 2059 form required by DOTD. |
| 02/15 - 04/18 | LADOTD Permit No. 153198, 153357, 153587: Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379) (Calcasieu Parish, LA) This project included widening an existing State Route through the City of Westlake and unincorporated areas of Calcasieu Parish. It involved coordination with local, state and federal agencies to obtain required permits, as well as multiple local utility companies regarding relocations of their facilities. Ms. Doucet served as the deputy project manager on this \$60 million construction project as well as assisted in reviewing construction submittals, utility coordination, and field investigations. |
| 07/16-09/17 | LADOTD Permit No. 153351, 153352, 153353: Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 & LA385) (Calcasieu parish, LA) Fenstermaker was under contract with Trunkline LNG responsible for Construction Engineering and Inspection services for the Lake Charles LNG roadway construction and modifications in Calcasieu Parish. Ms. Doucet assisted with construction administration. |
| 04/15 - present | Coach Williams Extension (Calcasieu Parish, LA) This project includes roadway and drainage design for a 3-mile connector through virgin territory and a roundabout intersection. Ms. Doucet was involved with the preliminary alignment study, engineering design and plans. As part of this project team, Ms. Doucet assisted in roadway design, cost estimation, and drainage design . Ms. Doucet is also the deputy project manager for the construction implementation of this almost \$19 million project. |

| 16. Staff Experience: | | | | |
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| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Robert Leslie, M.S., P.E., CFM | | Years of relevant experience with this employer | 1 |
| Title | Engineer III | | Years of relevant experience with other employer(s) | 30 |
| Degree(s) / Years / Specialization | | M.S. / 1991 / Environmental Engineering B.S. / 1989 / Physics | |   |
| Active registration number / state / expiration date | | P.E. 27798 / Louisiana / 03.31.2023 | | |
| Year registered | 1998 | Discipline | Environmental Engineering | |
| Contract role(s) / brief description of responsibilities | | Phase I Environmental Site Assessment – Lead | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Robert Leslie, Jr., M.S., P.E., CFM, is an Engineer III with the Fenstermaker Engineering team. He has over 30 years of experience in engineering design, infrastructure assessment, and construction management. His extensive experience includes civil and environmental engineering task/project management, as well as environmental management and engineering services to private- and public-sector clients. His regulatory compliance expertise includes NEPA, U.S. Clean Water Act, RCRA, CERCLA (Superfund), and Louisiana hazardous waste, solid waste, and water quality regulations. He has designed and managed cost-effective projects and other hazardous waste site investigations, regulatory compliance management programs, and environmental cleanups up to \$25 million. He has a strong understanding of FEMA guidelines, standards, and policies for post-disaster recovery and hazard mitigation grant program (HMGP).</p> | | | | |
| 01/22 – 08/22 | <p>Brushy Bayou Drainage (FEMA 4277-F39-S48); Bozeman Creek Drainage HMGP (FEMA DR-4277-38); North Canal Improvements HMGP (FEMA DR-4277-43) – City of Baker (East Baton Rouge Parish, LA) Mr. Leslie developed the benefit-cost analyses (BCA) using accepted FEMA methods, including flood loss avoidance calculations for structural and structure content losses, roadway loss of function calculations based on accepted algorithms published in Institute for Transportation Engineers (ITE) Trip Generation Manual, 10th edition, et seq. Flood loss avoidance calculations are based on comparison of flood losses associated with pre- and post-mitigation peak flood water surface elevations at each affected structure location for various statistical flood recurrence intervals, ranging from 1 year to 500 years. For each structure, pre- and post-mitigation flood damages to structure and structure contents were estimated using published USACE depth-damage function (DDF) tables that provide empirical flood damage costs as a function of flood depth above the structure's first floor elevation (FFE) and quantified as a percentage of the structure's estimated building replacement value (BRV). BRV for each structure was quantified using published RSMeans national average building construction costs as a function of each structure's livable square footage and adjusted for regional variations.</p> | | | |
| 02/18-12/18 | <p>Review of Hydrologic and hydraulic (H&H) study reports (East Baton Rouge Parish, LA) Prepared NEPA environmental assessment reports and conducted hydraulic/hydrologic (H&H) reviews for FEMA Hazard Grant Mitigation Program (HMGP) funded projects in response to declared disasters 1603 (hurricane Katrina), 1607 (hurricane Rita), and 4277 (August 2016 central Louisiana flooding):</p> <ul style="list-style-type: none"> Sewerage and Water Board of New Orleans Carrollton Power Plant Hardening | | | |


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| | <ul style="list-style-type: none"> • City of New Orleans Mirabeau Water Garden Project • City of New Orleans Broadmoor Drainage Improvement Project • City of New Orleans Bayou St. John/Oak Park Storm Water Detention Project • St. Bernard Parish Drainage Improvements to Creely/Congressman Hebert/Bluebird Canals • Caldwell Parish Hurricane Creek Drainage Improvements • Concordia Parish Drainage Improvements |
| 11/12-05/13 | Social, Environmental, And Ecological Impact Assessment of Oil and Gas Exploration/Production Assets Permian Basin/Delaware Basin (West Texas) Mr. Leslie conducted social, environmental, and ecological impact assessment activities as part of a multiple-consultant team associated with asset transfer of over 635,000 acres of Permian/Delaware Basin oil and gas leases from Chesapeake Operating, Inc., to Shell Western E&P. Responsibilities included legacy liability risk assessment and due diligence evaluations of specific assets. |
| 10/96-12/97 | USAF Claiborne Bombing and Gunnery Range Environmental Assessment (Kisatchie National Forest, Louisiana) Conducted a NEPA environmental assessment (EA) of proposed changes in use of the USAF Claiborne Bombing and Gunnery Range and associated airspace over sixteen Louisiana parishes and five counties in east Texas and southern Arkansas. |
| 02/94-01/16 | Phase II Environmental Site Assessments (ESAs) (Louisiana, Texas, Tennessee, and Mississippi) Conducted numerous Phase II environmental site assessment (ESA) investigations, including investigation work plan development, collection of environmental media samples for laboratory analyses, field analyses , and results reporting , of commercial/retail properties, agricultural chemical suppliers, metals scrap yards, a former oilfield waste disposal facility, petrochemical manufacturing facilities, retail dry cleaning and motor refueling facilities, and various mechanical equipment manufacturing facilities. |
| 02/94-01/22 | Phase I Environmental Site Assessments (ESAs) (Louisiana, Texas, and Mississippi) Conducted numerous Phase I environmental site assessments (ESAs) , in accordance with ASTM E1527 on behalf of industrial and commercial clients, of commercial/retail properties, petrochemical/industrial properties, and undeveloped/rural and agricultural properties. Assessed properties include active casino/gaming facilities, an industrial paint manufacturer, a proposed subsurface pipeline right-of-way, a historical automobile sales and repair shop, agricultural chemical suppliers, and CERCLA potentially responsible parties. |
| 05/06-09/06 | PRP Assessment, Former Powerine Oil Company Refinery (Santa Fe Springs, California) Reviewed field notes and site-specific regulatory agency files and prepared individual property assessment reports for 43 potentially responsible party (PRP) sites associated with groundwater contamination at a former petroleum refinery site. |
| 02/97-08/08 | Environmental Litigation Support (Louisiana and Mississippi) Participated in over 30 environmental toxic tort civil litigation cases associated with petroleum exploration and production in Louisiana and Mississippi, collecting field and other research data in support of expert testimony and presenting that data in reports, courtroom exhibits or other presentation formats, as appropriate. |


| 16. Staff Experience: | | | | |
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| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Jessica T. Pousson, P.E. | Years of relevant experience with this employer | 8.5 |  |
| Title | Engineer I | Years of relevant experience with other employer(s) | 0 | |
| Degree(s) / Years / Specialization | | B.S. / 2015 / Civil Engineering | | |
| Active registration number / state / expiration date | | P.E. 43716 / LA / 03.31.2024 | | |
| Year registered | 2019 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | Line & Grade Study | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Jessica Pousson, P.E. is a Professional Engineer whose responsibilities include civil design of various elements such as roadway design, design of roundabouts, traffic impact analysis, drainage design, hydraulic and hydrologic modeling, municipal engineering, and civil site design. Her experience also includes project management as well as public outreach coordination and development of various transportation, drainage, and construction documents. She has developed technical reports, construction estimates, and obtained permits from various agencies. She has served as the lead design engineer and project manager on various projects for private, state, and smaller municipal clients. Ms. Pousson is experienced in utilizing local, state, and federal design guidelines and requirements on various projects including MUTCD, AASHTO, FHWA, Louisiana Department of Transportation and Development (LADOTD) standards, and other municipal ordinances. Ms. Pousson is proficient in ArcGIS, MicroStation, HEC-RAS, HEC-HMS, LADOTD's HYDRWIN, and AutoTURN and has attended the ATSSA Traffic Control Technician, Traffic Control Supervisor, and Certified Flagger training courses.</p> | | | | |
| 10/18-present | <p>S.P. H.012792 LA 675 Roundabout at ARA Access Road (Iberia Parish, LA) Ms. Pousson serves as the Project Manager for the LA 675 Roundabout project. This project includes designing a 5-legged roundabout which ties into a newly designed boulevard extension that provides a connection from LA 3212 (Prairie Road) to LA 675 (Jefferson Island Road). She has prepared 60%, 95% and 100% Preliminary Plans for LADOTD submittal. She analyzed the existing and proposed drainage and drafted a report containing the proposed ditch cross sections and structure sizes and respective HYDRWIN results. Ms. Pousson coordinated with state agencies, Iberia Parish Government, and utility companies for a plan in hand meeting to discuss the project’s scope of work and constructability. Ms. Pousson also prepared exhibits and informational resources and coordinated public outreach for public meetings that informed the local community of the project limits and design features.</p> | | | |
| 03/18-04/18 | <p>Apollo Road – Old Spanish Trail to JB Road (Lafayette Parish, LA) This project involved the design of the Apollo Road extension which will begin at the intersection of Apollo Road (LA 93) and Old Spanish Trail and proceed southerly for approximately two miles to the intersection of Dulles Drive and Rue De Belier. Ms. Pousson assisted with drainage design revisions, roadway plan revisions, and the bidding and contract phase.</p> | | | |
| 02/22-present | <p>S.P. No. H.012869 LA 182 (University) @ LA 723 (Renaud) Roundabout (Lafayette Parish, LA) The goal of this project is to design a roundabout which realigns Renaud Drive and Stone Avenue to intersect with University Avenue. This project will include roadway design, hydraulic analysis and design, and utility design. Ms. Pousson is serving as a roundabout/roadway design engineer.</p> | | | |
| 08/17–present | <p>Red Davis McCollister Road and South Park Drive Roundabout (Calcasieu Parish, LA) Ms. Pousson is currently serving as the Lead Design Engineer on this project. Ms. Pousson coordinated with survey crews to obtain topographic survey and reviewed survey data to establish project baselines and limits. Jessica prepared horizontal and vertical alignments based on existing survey data and most current LIDAR available. She utilized AutoTURN to determine the necessary geometry criteria based on the client provided traffic requirements. Ms. Pousson also prepared project plan sheets including but not limited to typical sections, plan/profiles, existing and design drainage maps, geometric details, signing and marking details, and cross section sheets. In</p> | | | |


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| | <p>addition to analyzing the survey data collected, Ms. Pousson coordinated with Calcasieu Parish to obtain as-built information to evaluate existing drainage structures and hydraulic conditions. She utilized modeling software, including HYDRWIN, and developed proposed drainage layout following local ordinances and polices, including open ditch, cross drain, and box culvert design. Ms. Pousson prepared a drainage report containing the existing draining criteria, proposed ditch cross sections, structure sizes and respective drainage model results. Ms. Pousson coordinated with the client, Calcasieu Parish Police Jury, concerning preliminary right of way layout based on project design and client preferred future needs (future utility easement and possible roadway expansion) and coordinated the preparation of the right of way plats. Jessica coordinated with a landscape architect concerning the landscaping design and drainage/irrigation of the center island that utilized LID (Low Impact Development) design criteria. Ms. Pousson also coordinated with the electric company's local office to develop a lighting design for the roundabout based on standards and criteria provided by the Parish. Ms. Pousson provided project management including scheduling meetings, preparing follow up meeting minutes, updating project schedules based on submittals and other project milestones. Towards final plans, the client indicated that portions of a proposed waterline for a local municipality needed to be included in the project's scope of work. Ms. Pousson coordinated with a local engineering firm, Manchac Consultants, Inc., to obtain design files and technical specifications to include in the final plans.</p> |
| 05/14 - 02/17 | <p>Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 & LA385) LADOTD Permit No. 153351, 153352, 153353 (Calcasieu Parish, LA) Ms. Pousson served as the Project Manager for the Calcasieu Point Development project. This project included evaluating construction traffic that will be generated by three LNG facilities, designing roadway improvements for three intersections to mitigate the additional traffic generated, and performing construction administration services. Ms. Pousson assisted in the analysis of the proposed traffic generated by the facilities and utilized SYNCHRO to model different scenarios for the LNG facilities' construction schedule and phasing. In addition to assisting roadway design efforts, Ms. Pousson revised drainage models based on updated local ordinances concerning drainage and municipal preferences based on agency coordination. She prepared Preliminary Plans and Final Plans in accordance with LADOTD Design Standards. Ms. Pousson also coordinated with the client, contractor and subcontractor, Calcasieu Parish Police Jury, and LADOTD throughout the project's construction concerning field conditions, engineering design parameters, and public outreach.</p> |


| 16. Staff Experience: | | | | |
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| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Christopher Guidry | | Years of relevant experience with this employer | 24 |
| Title | Manager, Environmental Specialist | | Years of relevant experience with other employer(s) | 2 |
| Degree(s) / Years / Specialization | | B.S. / 1996 / Environmental and Sustainable Resources | | |
| Active registration number / state / expiration date | | N/A | | |
| Year registered | N/A | Discipline | N/A | |
| Contract role(s) / brief description of responsibilities | | Phase 1 Environmental Site Assessment Wetland and T&E Analysis – Lead | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Chris Guidry’s experience primarily consists of environmental compliance and securing federal, state, and local permits. A member of Fenstermaker’s Due Diligence Team, Mr. Guidry’s duties include overall project manager and field investigation support for Environmental Due Diligence projects. He also manages Phase I Environmental Site Assessment projects for commercial and private development clients. Mr. Guidry has prepared Storm Water Pollution Prevention Plan manuals and conducted inspections for construction activities associated with pipeline projects as required by the Environmental Protection Agency’s (EPA) National Pollutant Discharge Elimination System (NPDES) Storm Water Multi-Sector General Permit. Mr. Guidry also has experience in Wetland Delineations, Wetland Characterization, Wetland Damage Assessment, Wetland Permitting, and Environmental Project Management. He has secured mitigation contracts from approved Wetland Mitigation Banks, which offset wetland impacts because of wetland permits that are issued by the US Army Corps of Engineers and the Department of Natural Resources Coastal Management Division. Mr. Guidry completed the ASTM Phase I Environmental Site Assessment Certification Program in 1997 and a refresher course in 2008. Mr. Guidry completed the U. S. Army Corps of Engineers Wetland Delineation Certification Program in 1996.</p> <div style="border: 1px solid black; background-color: #003366; color: white; padding: 10px; text-align: center; width: fit-content; margin: 10px auto;"> Completed NHI Course 142005 NEPA & the Transportation Decision- Making Process </div> | | | | |
| 05/17-04/20 | Cane River Bridge Church Street Route (LA 1-X) Environmental Assessment (Natchitoches Parish, LA) LADOTD with FHWA prepared a NEPA environmental assessment for the proposed replacement of Cane River Bridge on Church Street Route LA 1-X. Mr. Guidry served as the Wetland Analysis Lead for this Environmental Assessment for the replacement of the bridge. He was responsible for all aspects of the wetland and threatened and endangered species analyses . He coordinated field activities and developed a report summarizing the impacts of the project to wetlands and threatened and endangered species. Mr. Guidry assisted with the preparation of the Phase I Environmental Site Assessment and USACE permits. | | | |
| 09/18-present | S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA) Mr. Guidry is serving as the Wetland Analysis Lead for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He has coordinated wetland and threatened and endangered species field delineations and analyzed impacts associated. He developed a report for | | | |



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| | approval to LADOTD, in accordance with National Environmental Policy Act (NEPA), summarizing the findings of the analyses. |
| 6/20-12/22 | Upper West Fork Cypress Bayou Watershed Plan-Environmental Assessment (Bossier Parish, LA) Mr. Guidry was in responsible charge of the Phase 1 environmental assessment report, which included wetland delineation . He coordinated filed activities and developed a report summarizing the impacts of the project to wetlands. |
| 07/10-present | DOTD Permit No. 03030387: Kaliste Saloom Rd Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette, LA) Fenstermaker was selected to perform engineering design services for the roadway construction of approximately 2 miles of a 5-lane concrete roadway, a 5-lane bridge over the Isaac Verot Coulee, and a multilane modern roundabout at the intersection of E. Broussard Rd. and Kaliste Saloom Rd. Mr. Guidry reviewed wetland delineation report, permitting maps, and permit applications. |
| 02/19-08/22 | Farm Road Multi-Bridge Replacements (Calcasieu Parish, LA) Fenstermaker was contracted by Calcasieu Parish Police Jury to provide professional engineering services for the replacement of two bridges on Farm Road approximately 0.70 miles and 0.91 miles east of the intersection of LA 397. Mr. Guidry performed permitting and wetland delineation services. |
| 02/10-05/20 | Lebesque Road Bridge Replacement and Road Reconstruction (Lafayette, LA) Fenstermaker was contracted by Lafayette Consolidated Government to provide engineering design and construction plans and specifications, along with construction oversight for Lebesque Road. Mr. Guidry provided wetland delineation investigation and reporting. |
| 02/15-05/17 | LADOTD Permit No. 153198, 153357, 153587: Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379) (Calcasieu Parish, LA) Mr. Guidry's responsibilities included overall environmental project management and Permit Agent for Fenstermaker's \$11.4 million engineering and consulting contract with Fluor. Permits acquired include securing railroad, State Highway, and Parish Road Crossing Permits. |
| 4/15 – 11/17 | Coach Williams Blvd. Extension (Calcasieu Parish, LA) Mr. Guidry's responsibilities included overall environmental project management , QA/QC of collected wetland delineation data , report preparation, and permit agent. Permits acquired include securing USACE Jurisdictional Determination and USACE Permits for jurisdictional wetland and water impacts. |
| 06/14-11/15 | Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 & LA385): LADOTD Permit No. 153351, 153352, 153353 (Calcasieu Parish, LA) Mr. Guidry was the environmental project manager for this proposed road improvement project (Calcasieu Point Development) for W Lincoln RD and LA385 located in the Coastal Zone of Louisiana, south of Lake Charles. Mr. Guidry's responsibilities included overall environmental project management, QA/QC of collected wetland delineation data , report preparation, and permit agent. Permits acquired include securing a US Army Corps of Engineers (USACE) Jurisdictional Determination, USACE Permit, and LDNR Office of Coastal Management (OCM) permit for jurisdictional wetland and water impacts. |
| 03/17-09/19 | Retainer Contract for Environmental Permitting Services: I-12: LA 21 to US 190 and US 190 to LA 59 (St. Martin Parish, LA) Mr. Guidry provided environmental consulting and wetland delineation services for this project. The purpose of the wetland delineation was to determine the presence/absence of wetlands using the three technical criteria: vegetation, hydrology, and soils. |


| 16. Staff Experience: | | | | |
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| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Joey Runner, PWS | Years of relevant experience with this employer | 4 |  |
| Title | Manager, Environmental Specialist | Years of relevant experience with other employer(s) | 11 | |
| Degree(s) / Years / Specialization | | B.S. / 2003 / Biology | | |
| Active registration number / state / expiration date | | n/a | | |
| Year registered | n/a | Discipline | n/a | |
| Contract role(s) / brief description of responsibilities | | Wetland & T&E Analysis | | |
| Experience dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Joey Runner, PWS has extensive experience in wetland delineations, CWA Section 404 permitting, coastal zone management permitting, migratory bird surveys, and environmental site assessments. He also has experience in performing endangered species surveys, wildlife management plans, large-scale wetland and vegetation mapping projects, large-scale linear pipeline projects, and regulatory permitting for oil and gas activities. Mr. Runner works with many local agencies such as the U.S. Department of the Army Corps of Engineers (COE), U.S. Environmental Protection Agency, U.S. Department of Interior Fish and Wildlife Service, Louisiana Department of Natural Resources, Louisiana Department of Wildlife and Fisheries, and the Texas Parks and Wildlife Department.</p> | | | | |
| 05/17-10/21 | <p>S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA) Mr. Runner is serving as the Wetland and Threatened & Endangered Species Analyst for this Environmental Assessment which serves to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He has coordinated wetland and threatened and endangered species field delineations and analyzed impacts to wetlands and threatened and endangered species. He assisted in the development of a report for approval to LADOTD summarizing the findings of the analyses, in accordance with NEPA.</p> | | | |
| 08/19-present | <p>Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) This \$15 million dollar construction project includes two miles of a four-lane boulevard and six-foot sidewalks. Fenstermaker was responsible for the preliminary and final roadway design plans, utility relocation coordination, land acquisition services, right-of-way and parcel plats, agency coordination, wetland delineation and permitting, bid and contract administration, and construction engineering and inspection services. Mr. Runner served as the lead wetland delineator.</p> | | | |
| 03/17-01/22 | <p>Coulee Mine E. Regional Detention Facility (Lafayette Parish, LA) As part of the LCG drainage initiative multiple coulees were surveyed to determine the jurisdictional extent of the coulee and its adjacent work areas. Mr. Runner was a lead field delineator and was responsible for preparation of required regulatory documents.</p> | | | |
| 11/18-03/19 | <p>Tensas Delta Expl. HORTDL No. T-19 Well P&A and Structures Removal (Catahoula Parish, LA) Mr. Runner assisted the environmental project manager with wetland delineations, threatened & endangered species review and acquisition of the required federal and state authorizations. Federal authorizations included USACE Section 10/404 authorizations for impacts to wetlands and USFWS T&E species concurrence. State authorizations included a LDWF WMA letter of authorization and LDWF scenic river permit.</p> | | | |


| 16. Staff Experience: | | | | |
|---|---|--|-----|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Sherry Eastin | Years of relevant experience with this employer | 41 |  |
| Title | Regulatory Specialist II | Years of relevant experience with other employer(s) | 0 | |
| Degree(s) / Years / Specialization | | A.S. / 1981 / Drafting | | |
| Active registration number / state / expiration date | | n/a | | |
| Year registered | n/a | Discipline | n/a | |
| Contract role(s) / brief description of responsibilities | | Environmental Assessment Phase 1 Environmental Site Assessment | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Sherry Eastin is a Regulatory Specialist and has over 41 years of experience. Her project experience includes the preparation of NEPA documents (CEs, EAs, EISs), Phase I Environmental Site Assessments, and Due Diligence Audits for governmental, private, commercial, and oil & gas sector clients. Her duties include managing wetland delineation and mitigation work, endangered & threatened species assessments, and Phase I Hazardous Materials Assessments. She has organized, conducted, and participated in numerous public meetings/hearings. She has completed the NHI Course No. 142005, “NEPA and the Transportation Decision-Making Process” and the Title VI Nondiscrimination in the Federal Aid Program.</p> <div style="border: 1px solid black; background-color: #003366; color: white; padding: 10px; text-align: center;"> <p>Completed NHI Course 142005 NEPA & the Transportation Decision- Making Process</p> </div> | | | | |
| 05/17-04/20 | Cane River Bridge Church Street Route (LA1-X) Environmental Assessment (Natchitoches Parish, LA) The Louisiana Department of Transportation and Development in conjunction with the Federal Highway Administration is preparing an NEPA environmental assessment for the proposed replacement of Cane River Bridge on Church Street Route LA 1-X located in Natchitoches Parish, Louisiana. Fenstermaker serves as the prime consultant managing five additional consulting firms to develop this highly sensitive project environmental document due to the historical context of the project. Ms. Eastin reviewed and edited Phase I of the Environmental Assessment . | | | |
| 08/19-present | Apollo Road (LA 93) Extension to Dulles Drive – Roadway & Water/Sewer Project (Lafayette Parish, LA) Fenstermaker is providing engineering services to the City of Scott, Louisiana to extend Apollo Road to Dulles Drive. This \$14 million-dollar construction project included 2 miles of a 4-lane boulevard and 8-foot sidewalks to accommodate both bicyclist and pedestrians. Ms. Eastin was responsible for the Phase I Environmental Assessment . | | | |
| 10/11-08/15 | SP No. H.000758.2: Widening of US 84 from Hwy 772 to Just East of Hair Creek Bridge (EA) (LaSalle Parish, LA) Ms. Eastin provided environmental permitting services on an environmental assessment for the proposed widening of US 84 from Highway 772 to east of Hair Creek Bridge. | | | |
| 01/09-11/10 | Route LA 311 Environmental Assessment (EA) & Line & Grade Study (Terrebonne Parish, LA) Ms. Eastin assisted with the environmental analysis required by the National Environmental Policy Act (NEPA) for the proposed widening of LA 311 between Savanne Road and St. Charles Street. | | | |
| 11/09-07/13 | SP No. 700-08-0132: Wafer Road Extension Environmental Assessment (EA) (Bossier Parish, LA) Ms. Eastin assisted with the Environmental analysis of the project. Fenstermaker conducted an EA for the Northwest Louisiana Council of Governments on Wafer Road to develop a new two-lane urban collector facility. | | | |


| 16. Staff Experience: | | | | |
|---|---|--|-----|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Meghan Fairley, M.S. | Years of relevant experience with this employer | 15 |  |
| Title | Manager, Environmental Specialist | Years of relevant experience with other employer(s) | 0 | |
| Degree(s) / Years / Specialization | | M.S. / 2015 / Environmental Science, Wetland Science & Management B.S. / 2010 / Biology | | |
| Active registration number / state / expiration date | | n/a | | |
| Year registered | n/a | Discipline | n/a | |
| Contract role(s) / brief description of responsibilities | | Environmental Assessment | | |
| Experience dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Megan Fairley, M.S. specializes in providing clients with strategic solutions to suit project needs and advise on regulatory and environmental compliance. Her professional experience includes U.S. Army Corps of Engineers (COE) Section 10/404 and 408 permitting, LA Department of Natural Resources, Office of Coastal Management (OCM), LA Department of Environmental Quality (LDEQ), Texas Commission on Environmental Quality, and local agency permitting. Her duties include project management and advising a team of environmental specialists. She is responsible for obtaining all necessary permits from agencies such as the COE, the US Fish & Wildlife Service (USFWS), LA Department of Natural Resources, LA Department of Wildlife & Fisheries, LA Department of Environmental Quality, LA Department of Transportation and Development (LA DOTD), LA Coastal Protection and Restoration Authority (CPRA), Texas Department of Transportation, railroad transportation companies, and local levee, port authorities, and regulatory agencies. She assists clients in determining practicable alternatives to avoid, minimize, and mitigate wetland impacts. Mitigation duties include locating approved mitigation banks and coordinating with mitigation bank sponsors to assure regulatory compliance for clients. She has also assisted in performing wetland delineations and supported staff on litigation cases. She has served as a permit agent for many oil/gas clients and municipal governments.</p> <div style="border: 1px solid black; background-color: #003366; color: white; padding: 10px; text-align: center;"> <p>Completed NHI Course 142005 NEPA & the Transportation Decision- Making Process</p> </div> | | | | |
| 06/19-04/21 | LADOTD Permit No. 153198, 153357, 153587: Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379) (Calcasieu Parish) Ms. Fairley assisted the Senior Environmental Specialist to plan and obtain regulatory permit compliance functions for a new pipeline installation. Her primary responsibilities for the project were to coordinate with regulatory agencies and assist in securing Louisiana Department of Transportation and Development railroad permits for pipeline right-of-way access and crossings, local parish development permits, and drainage district and utility crossing permits. Her responsibilities also included coordination with the U.S. Coast Guard for the private aid to navigation and pipeline right of way grant for the pipeline in a state navigable waterway. | | | |
| 09/14-11/15 | LADOTD Permit No. 153351, 153352, 153353: Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 & LA385) (Calcasieu Parish, LA) Ms. Fairley aided in obtaining authorizations for road widening and improvement project to support traffic flow for LNG Facility expansion and local development. As part of the project team, her responsibilities included agency and mitigation banking coordination to assure regulatory compliance. | | | |


| 16. Staff Experience: | | | | |
|---|---|--|-----|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Mark Rees, Ph.D., RPA | Years of relevant experience with this employer | 4 |  |
| Title | Archaeologist | Years of relevant experience with other employer(s) | 38 | |
| Degree(s) / Years / Specialization | | Ph.D. / 2001 / Anthropology M.A. / 1991 / Historical Archaeology B.S. / 1985 / History | | |
| Active registration number / state / expiration date | | Registered Professional Archaeologist / US / No. 11158 | | |
| Year registered | n/a | Discipline | n/a | |
| Contract role(s) / brief description of responsibilities | | Cultural Resources | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Mark Rees, Ph.D., RPA is a Registered Professional Archaeologist with 38 years of experience in cultural resources management. He has directed archaeological projects throughout the southeastern U.S., including excavations of Native American earthen mounds and shell midden sites in the Lower Mississippi Valley and colonial period sites in Louisiana and Virginia. He has experience as a principal investigator leading reconnaissance and Phase I cultural resource surveys, archaeological testing, data collection and site mitigation. He is accomplished in providing regulatory compliance with historic preservation legislation, including Section 106 of the National Historic Preservation Act. He works with federal and state agencies, private industry, and descendant communities in providing cultural resources stewardship, assessing the historical significance of archaeological sites, and determining potential eligibility for listing on the National Register of Historic Places. Rees is editor and contributing author of <i>Archaeology of Louisiana</i> (LSU Press, 2010) and has authored or co-authored more than 75 cultural resources management reports. He has served as a member of the Louisiana Archaeological Survey and Antiquities Commission since 2007.</p> | | | | |
| 05/17-10/21 | S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA) This project was undertaken to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. Dr. Rees is serving as the Cultural Resources Specialist for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He is tasked with analyzing all impacts of the proposed alternatives to cultural resources, including archaeology, architectural, historic, section 106, Section 4(f), and Section 6(f) resources. | | | |
| 03/16-present | Apollo Road Extension (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Fenstermaker provided engineering services to the City of Scott to extend Apollo Road to Dulles Drive. This \$15 million dollar construction project included 2 miles of a 4-lane boulevard and 6’ sidewalks. Fenstermaker was responsible for the preliminary and final roadway design plans, cultural resources survey, utility relocation coordination, land acquisition services, right-of-way and parcel plats, agency coordination, wetland delineation and permitting, bid and contract administration, construction engineering and inspection services. Dr. Rees provided cultural resource services on the project. | | | |


| 16. Staff Experience: | | | | | |
|---|---|---|---|---|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | | |
| Name | Nicholas Castille, EI | | Years of relevant experience with this employer | 3 |  |
| Title | Engineer Intern | | Years of relevant experience with other employer(s) | 0 | |
| Degree(s) / Years / Specialization | | B.S. / 2019 / Civil Engineering | | | |
| Active registration number / state / expiration date | | EI 34130 / Louisiana / 03.31.2024 | | | |
| Year registered | 2019 | Discipline | Civil Engineering | | |
| Contract role(s) / brief description of responsibilities | | | Drainage / Floodplains Public & Agency Outreach | |  |
| 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 time specified in the applicable MPR(s). | | | | |
| <p>Nicholas Castille, EI is an Engineer Intern and has over three years of experience in design, planning, and hydraulic modeling. His core experience is in open channel drainage systems, subsurface drainage systems, and hydrologic and hydraulic modeling. He assists with various engineering design tasks including roadway plan and preparation, inspections, design of geotechnical features, design of open and closed drainage systems, and hydrologic and hydraulic modeling. In his previous role, he served as an engineer intern, responsible for the supervision of lab and field technicians, assisting in the design of shallow and deep foundations, pavement design, and geotechnical construction materials testing and reporting.</p> | | | | | |
| 6/20-12/22 | <p>Upper West Fork Cypress Bayou Watershed Plan-Environmental Assessment (Bossier Parish, LA) Mr. Castille was responsible for many aspects of the project’s hydrology and hydraulic design in addition to economic analysis and technical assessment of results. He delineated drainage areas and determined flow and watershed characteristics to develop HEC-HMS and HEC-RAS 2-dimensional numerical models. These models were used to quantify the impacts and most appropriate course of action for hazardous dam classification remediation. He managed the tasks and schedules of multiple subconsultants and ensured project deliverables were satisfactory for inclusion in overall plan document. Mr. Castille also aided in the public outreach documents and preparation required by NEPA.</p> | | | | |
| 11/19-present | <p>Apollo Road (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Fenstermaker was selected to provide engineering services to the City of Scott, Louisiana to extend Apollo Road to Dulles Drive. This fifteen-million-dollar construction project includes two miles of a four-lane boulevard and six-foot sidewalks. The new roadway intersects LA 93, which was designed for a roundabout. Mr. Castille worked on the roadway inlet spacing and the project drainage areas.</p> | | | | |
| 11/19-present | <p>DOTD Permit No. 03030387: Kaliste Saloom Rd Widening, Intersection Improvements, Bridge and CE&I (LAL3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette Parish, LA) Fenstermaker was in direct responsible charge of all design components and construction management for improvements. Mr. Castille is aiding in the construction administration effort of this \$34 million project.</p> | | | | |

| 16. Staff Experience: | | | | |
|---|---|--|-------------------|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Dustin Guidry, EI | Years of relevant experience with this employer | 10 |  |
| Title | Engineer Intern | Years of relevant experience with other employer(s) | 0 | |
| Degree(s) / Years / Specialization | | B.S. / 2008 / General Studies B.S. / 2019 / Civil Engineering | | |
| Active registration number / state / expiration date | | EI 34146 / LA / 03.31.2024 | | |
| Year registered | 2019 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | Utility Analysis | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Dustin Guidry, EI brings over 10 years of hands-on, field experience within the construction industry, having worked directly with contractors and sub-contractors throughout the building process. He completed two years of architecture classes in college, concentrating on mechanical and computer drafting, as well as construction methods and materials and recently completed his second bachelor’s degree, in Civil Engineering. With a solid background in math and completion of higher-level management classes, he is primed for managing inspection and construction projects. He possesses the LCG Concrete Roadway Certification for inspection, as well as ATSSA Traffic Control Technician/Supervisor and ATSSA Registered Flagger.</p> | | | | |
| 03/16-present | Apollo Road (LA 93) Extension to Dulles Drive (Lafayette Parish, LA) Fenstermaker performed all topographic survey of cross streets and road tie-ins, cross sections for the purpose of an existing elevation DTM, and locations of all parcel boundaries effected by the proposed right of way in the City of Scott. Mr. Guidry provided inspection services for the water and sewer installation and provided CADD services for this project. | | | |
| 12/20-10/22 | Amazon Facility Commercial Development (Lafayette Parish, LA) The Amazon Facility is a one-million square foot building located on 120 acres of land. Offsite improvements were also part of this development which include intersection improvements and utility relocations . Mr. Guidry worked with Fenstermaker’s Construction Inspectors and contractors throughout the installation of gas, sewer, water infrastructure for the facility. He also oversaw the construction of roadway and drainage improvement projects tied to the facility ensuring they were built according to the plans, specifications, and City of Carencro requirements. | | | |
| 10/15 - 06/19 | DOTD Permit No. 03030387: Kaliste Saloom Rd Widening, Intersection Improvements, Bridge and CE&I (LA3073 to LA733) (Amb. Caffery to E. Broussard Rd) (Lafayette Parish, LA) The Kaliste Saloom Road Widening project is from Ambassador Caffery Pkwy (LA 3073) to E. Broussard Rd (LA 733). The project commences approximately 1,500’ southwest of E. Broussard (LA Hwy 733) and terminates near Ambassador Caffery (LA 3073). Fenstermaker is in direct responsible charge of all design components and construction management for improvements. Mr. Guidry provided inspection services for this project. As an inspector, Mr. Guidry oversaw the installation of drainage outfalls, utility installations , embankment, base course and asphalt paving operations. | | | |


| 16. Staff Experience: | | | | |
|---|--|---|-------------------|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Tanner Shaddox, EI | Years of relevant experience with this employer | 1 |  |
| Title | Engineer Intern | Years of relevant experience with other employer(s) | 1 | |
| Degree(s) / Years / Specialization | | B.S. / 2001 / Civil Engineering | | |
| Active registration number / state / expiration date | | EI 34955 / Louisiana / 03.31.2024 | | |
| Year registered | 2021 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | Utility Analysis | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Tanner Shaddox, EI is a 2021 graduate from the University of Louisiana in civil engineering. As a graduate engineer, he performed construction engineering and design work with transmission lines and his skills include structural analysis, static/dynamic design and foundation design. He also worked as a geotechnical lab technician where he perform soil classification testing and calculations. With Fenstermaker, Mr Shaddox has assisted on projects involving roadway design and drainage design. Programs used: Microstation, HYDRWIN, HydroCADD, HEC-RAS.</p> | | | | |
| 08/21-ongoing | <p>LIP JV Parking and Roadway Improvements (Calcasieu Parish, LA) Fenstermaker provided survey and engineering services for the proposed parking areas of the Sasol plant’s West Laboratory Building, the West Maintenance Building, and the West Control Building in Westlake, Louisiana. These services included designing the conceptual parking lot layout, all existing roadway tie-ins, and preliminary erosion control measures. Mr. Shaddox’s duties include setting roadway elevations and grades for the RCC of 3 mile of roadway, striping and signage design for the streets, utility coordination, and cost and quantities for the project.</p> | | | |
| 08/21-ongoing | <p>Coulee Mine E. Regional Detention Facility (Lafayette Parish, LA) Lafayette Consolidated Government (LCG) obtained \$4.7 million through the Louisiana Watershed Initiative for its Coulee Mine East Regional Detention Facility, a 40-acre detention pond along Coulee Mine East with a control structure to limit the discharge to the coulee and hold storm water in the pond during heavy rain events. The project area borders multiple single-family residential subdivisions that experience frequent flooding. Access roads into these subdivisions are often inundated, leading to frequent emergency rescues by the local fire department. This addition to the Coulee Mine East drainage system is anticipated to reduce the probability of homes flooding and roads becoming impassable within the project area. Mr. Shaddox’s duties include analyzing existing drainage areas and develop solutions to improve drainage using Hydrwin and editing HEC-RAS models for detention pond design and deletion results of storm events with and without proposed drainage improvements.</p> | | | |
| 07/21-10/21 | <p>Timberwood Subdivision Drainage Study Fenstermaker provided a study of the existing drainage system within the Timberwood Subdivision to determine feasible alternatives to help alleviate or reduce flooding issues. Mr. Shaddox aided in the hydraulic analyses, which included drainage calculations and drainage area maps. He was also responsible for identifying potential subsurface drainage and utility conflicts.</p> | | | |


| 16. Staff Experience: | | | | | |
|---|---|---|---|---|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | | |
| Name | Josh Laborde, P.E. | | Years of relevant experience with this employer | 2 |  |
| Title | Engineer I | | Years of relevant experience with other employer(s) | 3 | |
| Degree(s) / Years / Specialization | | B.S. / 2017 / Civil Engineering | | | |
| Active registration number / state / expiration date | | PE 46548 / Louisiana / 09.30.2024 | | | |
| Year registered | 2022 | Discipline | Civil Engineering | | |
| Contract role(s) / brief description of responsibilities | | | Railroad Coordination | | |
| Experience dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | | |
| <p>Joshua Laborde, P.E. is a Professional Engineer with over five years of experience in engineering road design, having previously worked with the Louisiana Department of Transportation and Development. Mr. Laborde performed engineering work on various rural bridge replacement projects while at the LA DOTD. Mr. Laborde has worked in the HEC-RAS hydraulic software for various drainage model related projects, including scour and no-rise studies and has experience with site design, having worked on both parking lot designs and a drainage improvement site design. He is also proficient in MicroStation and InRoads.</p> | | | | | |
| 02/22 – present | <p>Spanish Trail Ind. Park Access Road (St. Marin Parish, LA) This project entailed construction of a new at-grade intersection between LA 182 (Old Spanish Trail Hwy) and Lake talon Road with an at-grade BNSF railroad crossing. Mr. Laborde’s duties include the horizontal and vertical design of the roadway, layout of the proposed intersection, and re-design of the existing drainage systems composed of side drains, cross drains, and open ditches. He is also coordinating with BNSF Railway and LA DOTD for permitting purposes.</p> | | | | |
| 04/22-present | <p>FEMA Model Review and Update - Lafayette Consolidated Government (Lafayette Parish, LA) The project consisted of a hydraulic analysis utilizing HEC-RAS software of existing and proposed channel modifications on the L11A lateral, which ties to the Anselm coulee, a major drainage lateral running through the Lafayette and Youngsville areas. Mr. Laborde’s duties included performing the hydraulic and hydrologic calculations necessary to set up the model and input data, as well as various optimization and balancing techniques to ensure the model runs properly.</p> | | | | |
| 04/22-present | <p>Improvements to Petroleum Parkway Ext. (St. Martin Parish, LA) This project was a roadway and drainage improvement project of Petroleum Parkway in Broussard, LA. Mr. Laborde was responsible for the horizontal and vertical design of the roadway and re-design of the existing drainage systems, composed of side drains, cross drains, open ditches, and subsurface systems.</p> | | | | |
| 02/21-03/22 | <p>LIP JV Parking and Roadway Improvements (Calcasieu Parish, LA) Fenstermaker provided survey and engineering services for the proposed parking areas of the Sasol plant. These services included designing the conceptual parking lot layout, all existing roadway tie-ins, and preliminary erosion control measures. Mr. Laborde’s duties included the conceptual layout of the parking lot features, and drainage design of the subsurface and open ditch features. I collaborated with a senior level engineer to design the grade of the parking lot, as well as meet other unique needs our clients had for their facilities.</p> | | | | |

| 16. Staff Experience: | | | | |
|---|--|--|-----|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Devin Foil, MURP, AICP, CFM | Years of relevant experience with this employer | <1 |  |
| Title | Planner III | Years of relevant experience with other employer(s) | 1.5 | |
| Degree(s) / Years / Specialization | | MURP / 2018 / Master of Urban and Regional Planning, B.A. / 2011 / Asian Studies | | |
| Active registration number / state / expiration date | | AICP Certification No. 33876 Certified Floodplain Manager US-19-11124 | | |
| Year registered | | Discipline | | |
| Contract role(s) / brief description of responsibilities | | Public & Agency Outreach | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Devin Foil, MURP, AICP, CFM is a Planner III in the New Orleans office at Fenstermaker. In his previous role as Planner III for the East Baton Rouge Parish Stormwater Master Plan, his experience includes collaborating with engineers to create development ordinances for cities and parishes aimed at mitigating current and future flood risk, utilizing regional and watershed level hydrologic and hydraulic models. He conducted public and stakeholder outreach, as well as established and maintained strategic partnerships between Stormwater Master Plan teams, regional entities, and groups. He has reviewed development of applications in FEMA designated flood zones for compliance with NFIP regulations.</p> | | | | |
| 11/22-present | Tangipahoa Parish Comprehensive Plan Update (Tangipahoa Parish, LA) Mr. Foil is serving as the Project Manager to provide professional technical planning assistance and consulting services and technical support/training for the comprehensive plan update in the areas of existing conditions analysis, land use planning and regulations, public outreach and engagement , capital projects planning, and parish code amendment drafting. | | | |
| 03/21-07/22 | East Baton Rouge Stormwater Master Plan (East Baton Rouge Parish, LA) The Stormwater Master Plan (SMP) parish-wide study that analyzed drainage using models informed by data collected on channels, structures, and subsurface structures. Mr. Foil served on the Public Outreach team that identified and engaged key stakeholders by SMP designated watersheds, crafted messaging to educate the public on the concepts of the SMP policies and modeling results and coordinated public meetings to inform stakeholders of project progress as well as collect feedback on the project. | | | |
| 03/22-07/22 | I-10 Calcasieu River Bridge Improvements Project Environmental Impact Statement (Calcasieu Parish, LA) As a part of the bridge replacement project, an Environmental Impact Statement (EIS) is required to document and make public the environmental, social, and economic effects of the project. Mr. Foil coordinated efforts to update the Public Involvement Plan to incorporate a Public Hearing event required by the EIS. Mr. Foil partnered with a local community champion to help improve the effectiveness of his team’s outreach activities to locals in a targeted region of the project area. He worked with the local partner to craft a Public Involvement Plan that identified key community organizations that would assist the team in disseminating information about the project and rally local attendance. | | | |



| 16. Staff Experience: | | | | |
|---|---|--|-----|---|
| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | Coy LeBlanc, M.S., PWS | Years of relevant experience with this employer | 10 |  |
| Title | Remote Sensing Specialist | Years of relevant experience with other employer(s) | 6 | |
| Degree(s) / Years / Specialization | | M.S. / 2019 / Coastal Ecology and Advanced Technologies B.S. / 2006 / Environmental and Sustainable Resources | | |
| Active registration number / state / expiration date | | n/a | | |
| Year registered | n/a | Discipline | n/a | |
| Contract role(s) / brief description of responsibilities | | GIS - Lead | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>Coy LeBlanc, M.S., PWS is a Remote Sensing Scientist with Fenstermaker’s Engineering group. Mr. LeBlanc’s duties include data gathering, data-base management and distribution of all Engineering spatial data. This includes the management and transformation of raster and shapefiles associated with individual engineering projects. Mr. LeBlanc is currently pursuing a PhD in Biology, with concentrations in remote sensing of coastal ecosystems. This includes collecting spatial data using UAV technologies and processing and development of spatial algorithms to further monitor coastal ecosystems. Mr. LeBlanc has also been a part of the CRMS (Coastwide Reference Monitoring System) project; these efforts conducted in Louisiana require monitoring the effectiveness of individual projects as well as monitoring the cumulative effects of all projects in restoring, creating, enhancing, and protecting the coastal landscape. Mr. Leblanc’s other responsibilities included Wetland Delineations and Section 404 permitting with the U. S. Army Corps of Engineers and the Louisiana Department of Natural Resources Coastal Zone, Predischarge Notification permits with the U. S. Environmental Protection Agency, organizing agency liaison meetings, correspondence with regulatory agencies, Phase I Environmental Site Assessments, reviewing public documentation at the Louisiana Department of Environmental Quality, and preparing descriptive proposals and competitive cost estimates for projects.</p> | | | | |
| 11/19-12/22 | Upper West Fork Cypress Bayou Watershed Plan-Environmental Assessment (Bossier Parish, LA) Mr. LeBlanc aided in the Phase 1 environmental assessment report . He collected environmental data for desktop review of wetland and waters impacts from the National Wetland Inventory (NWI) datasets and National Hydrography datasets (NHD). He also aided in wetland delineation and researched potential impacts of threatened and endangered species. | | | |
| 09/18-09/21 | S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA) Mr. LeBlanc aided in the wetland analysis for this EA. He aided in wetland and threatened and endangered species field delineations and analyzed impacts associated. | | | |
| 01/22-present | Contract No. 4400017090 Louisiana Watershed Initiative Region 4 (De Soto, Sabine, Vernon, Rapides, Beauregard, Allen, Jefferson Davis, Calcasieu, and Cameron Parishes) Mr. LeBlanc is serving as the Data Management and GIS Lead for the Louisiana Watershed Initiative Region 4, an unprecedented project that will manage the future flood risk in the State of Louisiana through watershed-based solutions. Mr. LeBlanc is responsible for the management and oversight to source, collect, organize, and distribute data to successfully complete an interactive, usable, and manageable hydraulic and hydrologic Region 4. These models will consider the degree to which communities within a watershed are hydraulically | | | |

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| | and hydrologically connected, and will lead decisions regarding land use, policy, and infrastructure must now be coordinated, made, and implemented at the watershed level if flood risk is to be effectively managed. |
| 07/22-08/22 | Four-Mile Bayou Road (St. Martin Parish, LA) Fenstermaker was contracted by St. Martin Parish Government to convert 1.5 miles of this roadway from an aggregate to asphalt pavement roadway. Mr. LeBlanc was responsible for creating front-end data collection processes to expedite field data collection. He also created dashboards and monitoring tools for both internal and external project progress and processing data and created reports from GIS data . |
| 09/21-11/22 | RR021 Central City Group A (Orleans Parish, LA) The City of New Orleans Department of Public Works selected Fenstermaker to provide baseline and topographic survey, roadway design, and construction administration for streets in the Central City neighborhood. Mr. LeBlanc was responsible for creating front-end data collection processes to expedite field data collection. He also created dashboards and monitoring tools for both internal and external project progress and processing data and created reports from GIS data . |
| 09/19-01/21 | Queen Bess Island Restoration (BA-202) (Jefferson Parish, LA) Fenstermaker has performed project management, data collection, engineering & design, and construction administration and inspection. Mr. LeBlanc was the lead UAV specialist during the construction of the island. Mr. LeBlanc oversaw establishing ground control points across the island. Mr. LeBlanc established the flight layout for orthophotography and photogrammetric mapping that was calculated to fly the most efficient path. Finally, Mr. LeBlanc processed digital orthophoto maps daily from the collected data. Most of these products were updated, rectified, and uploaded within a 24 – 48-hour period from the time data was collected, making it a valuable resource to real-time decision making. |
| 05/20-present | Calcasieu Parish Regional (HUC 8) Watershed Modeling and Planning (Calcasieu Parish, LA) Mr. LeBlanc is responsible for data collection and management of this regional watershed planning project. He built Fenstermaker's Survey123 application for the organization of all GIS data . He is also responsible for the processing of data as it is collected. Fenstermaker was contracted by Calcasieu Parish Police Jury (CPPJ) to update their existing models by migrating 1D models to coupled 1D/2D HEC-HMS and HEC-RAS models and expand the modeling domain to encompass all the watersheds within the Parish. The model domain includes four HUC 8 watersheds tiered to the HUC-12 level. The goal of the project is to develop an adaptive plan that includes projects, programs, and policies that are being screened utilizing the Deltares Dynamic Adaptive Policy Pathways (DAPP) approach by analyzing various future conditions that account for relative sea level rise, future development, and increased storm intensities. This approach allows the Parish to make informed decisions on managing their watersheds. |
| 08/20-09/20 | Cameron Parish Post Hurricane Laura Damage Assessment (Cameron Parish, LA) Immediately after Hurricane Laura passed, Fenstermaker deployed field crews to locate road blockage for restoration crews. Using UAV's, Fenstermaker was able to gather photos and videos. After completing the initial road blockage survey, Fenstermaker surveyed all homes and critical infrastructure in Cameron Parish. Photos and videos were uploaded to ArcGIS Online and/or YouTube nightly. All data was delivered to Cameron Parish in a single webpage run on ESRI's Dashboard application, which gave residents and first responders a real-time look into the damage on the ground and allowed them to plan recovery efforts. Mr. LeBlanc was the Project Manager responsible for all field and data preparation . |


| 16. Staff Experience: | | | | |
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| Firm employed by | | C. H. Fenstermaker & Associates, L.L.C. | | |
| Name | William Faulk | Years of relevant experience with this employer | 1 |  |
| Title | GIS Specialist II | Years of relevant experience with other employer(s) | 5 | |
| Degree(s) / Years / Specialization | | B.S. / 2019 / Environmental Science | | |
| Active registration number / state / expiration date | | n/a | | |
| Year registered | n/a | Discipline | n/a | |
| Contract role(s) / brief description of responsibilities | | GIS | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| <p>William Faulk is a GIS Specialist II in Fenstermaker’s Engineering Division. An Eagle Scout and 2019 Environmental Science Major and Geology Minor graduate, his experience includes collecting Landsat satellite imagery of the gulf coast, using GIS remote sensing to classify waterfowl habitat on inland agricultural lands to quantify total acres of waterfowl habitat across the Gulf Coast for the Gulf Coast Joint Venture, electronic databases, digitalization systems, data analysis, using R studio to manipulate and represent data, and is knowledgeable in soils and wetlands. He is proficient in the use of GIS, ArcPro, ArcGIS, Remote Sensing, ERDAS Imagine, and R Studio. Mr. Faulk will be working with Coy Leblanc (GIS Lead) on projects concentrating on data processing, Geodatabases, and other miscellaneous GIS data preparations.</p> | | | | |
| 01/22-present | Louisiana Watershed Initiative Region 4 Collected and Preprocessed LiDAR by mosaicking, re-projecting and converting elevation values from meters to feet. Digitized streams within a watershed basin. | | | |
| 03/22-present | Mermentau Basin Inundation Relief Project (Cameron Parish, LA) Mr. Faulk assisted with collecting and preprocessing LiDAR for the Mermentau basin by mosaicking, re-projecting and converting elevation values from meters to feet. I also, interpolated elevation values where the LiDAR had missing data. | | | |
| 06/22-present | Regional Watershed Planning (Calcasieu Parish, LA) Mr. Faulk worked on creating a structure inventory for all the watersheds within the parish, performed flood depth analyses for each structure utilizing water surface elevation inundation rasters, and performed Benefit Cost Analyses for each proposed project utilizing the flood depth analysis. | | | |
| 05/22-06/22 | Drainage Channels Inspection by Drone (Lafayette Parish, LA) Mr. Faulk assisted with the drone flight, and recovered and cataloged flight data from the drone. | | | |
| 05/22-06/22 | Apollo Rd. at LA 93 (Dulles Dr.) Roundabout (Lafayette Parish, LA) Mr. Faulk created an animated map of alternate routes that is being utilized during construction of the roundabout to inform the public . | | | |

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| Firm employed by | | ARCADIS | |
| Name | Ari Deitch, PE, PTOE, PTP, RSP | Years of relevant experience with this employer | 8 |
| Title | Senior Traffic and Safety Engineer | Years of relevant experience with other employer(s) | 2 |
| Degree(s) / Years / Specialization | | BS / 2012 / Biological Engineering, Louisiana State University | |
| Active registration number / state / expiration date | | PE.0041842 / LA / Exp. 03/2024; PTOE #4346 / USA / Exp. 11/2023 PTP #690 / USA / Exp. 07/2025; RSP #37 / USA / Exp. 12/2024 | |
| Year registered | 2017 | Discipline | Civil Engineering |
| Contract role(s) / brief description of responsibilities. | | Task Order Manager, Traffic Modeling and Studies, Safety | |
| Experience dates | Experience and qualifications relevant to the proposed contract | | |
|  | <p>Mr. Deitch is a Senior Traffic Engineer and Project Manager specializing in traffic engineering studies and design, traffic safety, transportation management, and conceptual roadway design. Mr. Deitch has experience managing and working on a wide range of transportation projects for LADOTD, and other DOTs and municipalities across the country, pertaining to intersection and corridor studies, signal warrant analysis, access management, pedestrian and bicycle improvements, complete streets, transportation management plans, Stage 0 feasibility studies, NEPA studies, signal design, and signing and marking design. He has experience with traffic analysis software's and methods and is proficient in Highway Capacity Software, Synchro, Vistro, Vissim, Sidra and MicroStation software. Mr. Deitch has completed the LADOTD Traffic Engineering Process and Report Training.</p> | | |
| 02/15 – 09/18 | <p>Traffic Engineering IDIQ - US 71 Corridor - Phase II and III Traffic and Safety Corridor Study, LADOTD, Rapides Parish, LA. <i>Project Manager.</i> Responsible for overseeing and managing project tasks including traffic data collection, signal warrant analysis, traffic analysis, crash analysis, alternative and countermeasure development, predictive safety analysis, and conceptual drawings.</p> | | |
| 08/19 – 02/20 | <p>Traffic Engineering IDIQ - US 61 Access Management and Corridor Study, LADOTD, East Baton Rouge Parish, LA. <i>Senior Traffic Engineer.</i> Project purpose was to evaluate the effectiveness of proposed access management improvements along US 61 and identify feasible alternatives to maximize operational and safety benefits. Provided technical oversight for traffic analysis using Highway Capacity Software 7, signal warrant analysis, and predictive safety analysis. Assisted with the development of construction cost estimates and benefit-cost analysis.</p> | | |
| 02/15-01/18 | <p>Traffic Engineering IDIQ - LA 3105 (Green Acres to LA 72) Corridor Study, LADOTD, Bossier Parish, LA. <i>Traffic Engineer.</i> Responsible for development/evaluation of existing and future year conditions using a calibrated microsimulation model (Vissim). Designed alternatives for phased implementation based on identified needs and input from local stakeholders including medians, restricted intersections, roundabouts, roadway widening, and signal timing enhancements.</p> | | |
| 04/19 – 12/19 | <p>Traffic Signal Design IDIQ - EBR Signal Upgrades and Design Plans, LADOTD, East Baton Rouge Parish, LA. <i>Traffic Engineer of Record.</i> Responsible for supervisory tasks and oversight of this project involving field signal inventory and the creation of updated signal design plans and quantities for 39 intersections in East Baton Rouge Parish.</p> | | |
| 04/16 – 09/18 | <p>Safety Studies IDIQ - New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA. <i>Project Manager.</i> Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes and selecting safety countermeasures for 20 high-risk locations. Developed design drawings for proposed short-term and long-term improvement phases and conducted benefit-cost analysis to inform project prioritization. Conducted safety analysis using Highway Safety</p> | | |


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| | Manual predictive methods. Organized and lead project stakeholder meetings to review alternatives, obtain feedback, and develop context sensitive solutions . Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists for all 20 intersections. |
| 07/14 – Ongoing | Pete's Highway Traffic Study and Environmental Assessment, LADOTD, Denham Springs, LA. Traffic Engineer. Responsible for traffic analysis of proposed alternatives using Vissim software . Played a key role in the development of preliminary roadway design drawings , incorporation LADOTD's Complete Streets Policy , and implementing enhanced pedestrian safety measures such as high visibility crosswalks. Work involves completing an Environmental Assessment and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange. Conducted signal warrant analysis and developed optimized timing plans for proposed improvements. |
| 02/15 – 11/17 | Traffic Engineering IDIQ - Intersection Feasibility Study - Evangeline Thwy, Johnston St, & Louisiana Ave, LADOTD, Lafayette Parish, LA. Traffic Engineer: Responsible for review of existing crash data, traffic operations analysis, signal warrant analysis and development of design alternatives . Objective is to develop alternatives for the intersection of Evangeline Thruway (US 167/90) and Johnston Street (US 167) / Louisiana Avenue (LA 94) that will improve safety and mobility . Evangeline Thruway consists of two one-way roadways with three lanes in each direction. Three alternatives for each intersection at Johnston Street / Louisiana Avenue were developed based on the results traffic and safety analysis. |
| 11/20 – Ongoing | I-10 CMAR, LADOTD, East Baton Rouge Parish, LA. Senior Traffic Engineer: Responsible for wide range of traffic engineering tasks including development of permanent signing plans, traffic operations analysis, Interchange Modification Reports , and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. |
| 08/14 – 06/15 | Safety Studies IDIQ - LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA. Traffic Engineer. Responsible for review of existing crash data and traffic operations analysis , development of safety countermeasures , conceptual drawings, signal warrant analysis and timing plans , and Stage 0 documentation . Purpose of the project was to develop access management strategies and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the LA 3235 corridor. Safety performance of alternatives was estimated using Highways Safety Manual predictive methods . |
| 04/16 – 10/19 | Safety Studies IDIQ - I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA. Traffic Engineer. Conducted traffic analysis using a calibrated microsimulation model (Vissim) to evaluate the operational performance of HSR and HOV lane alternatives. Developed conceptual drawings and construction cost estimates to evaluate the feasibility of proposed alternatives. |
| 02/17 – 02/18 | Safety Studies IDIQ - I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA. Traffic Engineer. Responsible for data collection and analysis, traffic and safety analysis , and conceptual design drawings . Purpose of the project was to identify feasible improvement alternatives to address historical safety issues along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions. |

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| Firm employed by | |  | |
| Name | Jan Hughes | Years of relevant experience with this employer | 0.5 |
| Title | Senior NEPA Specialist | Years of relevant experience with other employer(s) | 25 |
| Degree(s) / Years / Specialization | | BA, Anthropology, Louisiana State University, 1984 | |
| Active registration number / state / expiration date | | | |
| Year registered | | Discipline | |
| Contract role(s) / brief description of responsibilities. | | Technical Advisory and QAQC (Stage 0 / Planning / Environmental) | |
| Experience dates | Experience and qualifications relevant to the proposed contract | | |
|  | <p>Ms. Hughes has 25 years of experience with the LADOTD Environmental Section preparing and overseeing analyses and documentation in compliance with the National Environmental Policy Act (NEPA), Section 106 of the National Historic Preservation Act, and Section 4(f) of the U.S. DOT Act. She oversaw consultant work on environmentally complex projects, including establishing and negotiating consultant environmental work effort and preparation of Environmental Impact Statements. She coordinated with federal, state, and local agencies as needed on projects as well as on other issues. She conducted public meetings, hearings, and other public involvement activities. In addition to the projects listed below, throughout her career, Jan has prepared and provided oversight for numerous Environmental staff and consultant prepared Environmental Assessments, Categorical Exclusions, and Re-evaluations of approved environmental documents. Training includes NEPA and Section 4(f), Section 106, Wetland Delineation, Endangered Species Act, Title VI/Environmental Justice, Environmental Streamlining and Stewardship, and Context Sensitive Solutions.</p> | | |
| 07/15 - 02/19 | <p>I-49 South, I-10 to Lafayette Regional Airport, Route US 90/US 167, Supplemental Environmental Impact Statement (SEIS), LADOTD, Lafayette Parish, LA. Senior NEPA Specialist. SEIS and follow-up to commitments made in the 2003 Record of Decision for the upgrade of this 5-mile portion of US 90/US 167 in urban Lafayette to a six-lane facility with frontage roads meeting interstate standards. Responsibilities included negotiating the consultant environmental work effort, carrying out the SEIS initiation process and re-initiation of Section 106 of the National Historic Preservation Act process, and oversight of consultant environmental work that includes extensive public involvement, updates to the standing structures survey and archaeology commitments, and follow-up to other commitments.</p> | | |
| 01/15 - 02/19 | <p>Inner Loop Extension (LA 3132), E. Flournoy Lucas Rd (LA 523) to Future I-69 Corridor, Environmental Assessment, LADOTD and City of Shreveport, Caddo Parish, LA. Senior NEPA Specialist. Extension of the Inner Loop on new alignment as a four-lane control of access facility from LA 523 to Future I-69 with interchanges and upgrades to adjacent roadways. Responsibilities included oversight of the environmental process and consultant preparation of the Environmental Assessment.</p> | | |
| 01/11 – 05/15 | <p>Bayou Teche Bridge at Oaklawn, Route LA 323, Categorical Exclusion Re-evaluation, LADOTD, St. Mary Parish, LA. Senior NEPA Specialist. Replacement of this one lane, swing span bridge built in 1942 with a two-lane bridge on existing alignment. The bridge was determined eligible for the National Register of Historic Places. Responsibilities included handling the Section 106 Consulting Parties process, preparation of the re-evaluation document, and preparation of the Section 106 Memorandum of Agreement and Programmatic Section 4(f) Statement for the adverse impact to the bridge, as</p> | | |



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| | well as the marketing and draft agreement for LADOTD's first ownership transfer of a historic bridge to another entity for alternative use. |
| 04/01 - 12/06 | I-49 South, Wax Lake Outlet to Berwick, Route US 90, Environmental Impact Statement, LADOTD, St. Mary Parish, LA. <i>Senior NEPA Specialist.</i> Upgrade of this 9.3-mile portion of US 90 to a four-lane facility with frontage roads meeting interstate standards. Responsibilities included oversight of the environmental process and consultant preparation of the environmental document. |
| 04/01 - 10/05 | I-49 South, Lafayette Regional Airport to LA 88, Route US 90, Environmental Impact Statement, LADOTD, Iberia/Lafayette/St. Martin Parishes, LA. <i>Senior NEPA Specialist.</i> Upgrade of this 10.8-mile portion of US 90 to a six-lane facility with frontage roads meeting interstate standards. Responsibilities included oversight of the environmental process and consultant preparation of the environmental document. |
| 03/02 - 03/05 | Huey P. Long Bridge, Route US 90, Environmental Assessment, LADOTD, Jefferson Parish, LA. <i>Senior NEPA Specialist.</i> Widening of the highway portions of this highway/railroad bridge from two 9-foot-wide lanes to three 11-foot-wide lanes. The bridge, built in the 1930s, was determined eligible for the National Register of Historic Places. Responsibilities included negotiating the consultant environmental work effort, oversight of the environmental process, coordination with the U.S. Coast Guard, New Orleans Public Belt Railroad, and Louisiana State Historic Preservation Officer, preparation of a Section 106 Memorandum of Agreement for the adverse impact to this historic bridge, and overseeing consultant preparation of the environmental document. |
| 12/01 – 01/15 | Inner Loop Extension (LA 3132), Ellerbe Road to Flourney Lucas Road, Environmental Assessment, LADOTD and City of Shreveport, LA, Caddo Parish. <i>Senior NEPA Specialist.</i> Extension of the Inner Loop on new alignment as a four-lane control of access facility with interchanges and upgrade of adjacent roadways. Responsibilities included oversight of the environmental process and consultant preparation of the Environmental Assessment. |
| 02/94 - 08/98 | Airline Highway (US 61), Florida Boulevard to Just North of Jefferson Hwy., Environmental Assessment, LADOTD, East Baton Rouge Parish, LA. <i>Senior NEPA Specialist.</i> Widening of this approximately 3.5-mile portion of Airline Highway from four lanes to six lanes. Responsibilities included handling the environmental process and preparing the Environmental Assessment and Programmatic 4(f) Statement for right-of-way impacts to an adjacent publicly owned park. |

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| Firm employed by | | ARCADIS | | |
| Name | Jason Morrell, PWS | | Years of relevant experience with this employer | 9 |
| Title | Senior Ecologist | | Years of relevant experience with other employer(s) | 13 |
| Degree(s) / Years / Specialization | | | BS / 1999 / Agriculture, University of Georgia | |
| Active registration number / state / expiration date | | | Professional Wetland Scientist – #2319 / USA / Exp. 04/2023 | |
| Year registered | 2013 | Discipline | Wetland Science | |
| Contract role(s) / brief description of responsibilities. | | | Stage 0 / Planning / Environmental | |
| Experience dates | | Experience and qualifications relevant to the proposed contract | | |
|  | | Mr. Morrell has more than 20 years of experience in ecology and environmental planning, including over 16 years of consulting experience. Prior to joining Arcadis, he served as a NEPA Planner and Ecologist with the Georgia Department of Transportation (GDOT) evaluating environmental effects and completing permitting and environmental documentation for transportation projects. His area of expertise includes wetland delineation, biological assessment, and environmental permitting, with a focus on Clean Water Act Section 404 permitting and Section 7 Endangered Species Act (ESA) consultation. He is experienced working with the Federal Highway Administration (FHWA), US Army Corps of Engineers (USACE), US Fish & Wildlife Service (USFWS), and state resource agencies. Since 2011, Mr. Morrell has focused primarily on Transportation Ecology and is an active member of the Transportation Research Board Committee on Environmental Analysis and Ecology. | | |
| 04/16 – Ongoing | | Pete’s Highway Traffic Study and Environmental Assessment, LADOTD, Livingston Parish, LA. Ecologist. Led a wetland delineation and protected species habitat assessment along Range Road in the vicinity of the I-12 interchange for the proposed interchange improvement project. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, in support of the NEPA Environmental Assessment. | | |
| 10/15 – 04/18 | | North Bayou Black Drive/Hanson Canal Bridge (OSBP) – LADOTD, Terrebonne Parish, LA. Ecologist. Completed a technical review of the Biological Resources and Wetland Findings Report, including required exhibits, prepared for the replacement this off-system highway bridge. Findings from the wetland delineation report were used for a USACE Jurisdictional Determination and Section 404 permit application. | | |
| 07/16 – 03/18 | | Bayou Sara Streambank Restoration, West Feliciana Parish Department of Public Works, West Feliciana Parish, LA. Ecologist. Project involved stabilizing the streambank along approximately 3,600 feet along Bayou Sara, where severe erosion is impacting the Town of St. Francisville’s Wastewater Treatment Facility, pond levees, and the Parish’s only access road (Ferdinand Street) to the Mississippi River. Completed a wetland delineation and protected species habitat assessment within the area proposed for bank stabilization, as well as adjacent staging and access areas. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, and NWP 13 PCN, including permit sketches for bank stabilization for which USACE authorization was successfully obtained. | | |
| 09/2019 – Ongoing | | Environmental Support Services IDIQ Contract, GDOT, Statewide, GA. Project Manager and Ecology Lead. Responsible for management of embedded (support services) ecology and NEPA staff managing environmental studies on behalf of GDOT, including review of consultant documents. Design and develop ecology initiatives for the GDOT Office of Environmental Services (OES) including guidebooks and toolkits to update the Environmental Procedures Manual, training materials for | | |



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| | contractor prequalification, applications to streamline National Marine Fisheries Service Section 7 ESA and Essential Fish Habitat consultations, and other research initiatives. |
| 07/14 – 07/19 | Statewide Ecology Services IDIQ Contract GDOT, Statewide, GA. <i>Deputy Project Manager.</i> Responsible for managing embedded ecologists assigned management of ecology studies, permitting, and biological assessment for GDOT projects. Negotiated a menu of services task order for on-call environmental studies providing the client the flexibility to complete tasks quickly to meet project delivery schedules. Managed preparation and provided technical review of supporting NEPA documentation for federally funded infrastructure development and improvement projects . Developed ecology toolkits, guidance documents, and templates for GDOT use and publication in collaboration with regulatory agencies and GDOT staff. Managed a research project evaluating the effectiveness of migratory bird mitigation measures on transportation projects and provided recommendations to GDOT for best management practices. |
| 12/15 – 11/18 | Reisor Subdivision Bridge Replacements, Union Pacific Railroad, Natchitoches Parish, Louisiana and Caddo Parish, LA/Harrison County, TX. <i>Lead Ecologist.</i> Responsible for wetland delineation and protected species habitat assessments for replacement of two structurally deficient railroad bridges on the Union Pacific Reisor Subdivision line. Completed wetland findings report , including required exhibits, and calculated impacts to streams and wetlands for bridge replacements. Coordinated with design for impact avoidance and minimization and provided technical review of a Nationwide Permit (NWP) 14 Pre-Construction Notification (PCN), including permit sketches, submitted to the USACE Fort Worth District for the Caddo Parish, LA/Harrison County, TX bridge. |
| 11/15 – 12/16 | SR 234 at Chickasawhatchee Creek Bridge Replacement GDOT, Calhoun and Dougherty Counties, GA. <i>Lead Ecologist.</i> Responsible for ecology reporting, Section 404 permitting, and Section 7 Endangered Species Act (ESA) consultation for replacement of a load-limited, structurally deficient bridge over Chickasawhatchee Creek 8 miles north of Leary, GA. Prepared a Biological Assessment for the federally listed mussel species and designated critical habitat including development of special provisions to be included in contract documents for species protection. Based on this Biological Assessment, USFWS issued a Biological Opinion concurring with the recommended biological determination to support project NEPA documentation . Successfully obtained an Individual Section 404 Permit for stream and wetland impacts associated with bridge replacement and roadway approach improvements. |
| 01/14 – 04/14 | I-285 at Riverside Drive, GDOT, Fulton County, GA. <i>Lead Ecologist.</i> Led ecology surveys and reporting for the proposed conversion of signalized intersections at I-285 eastbound and westbound ramp termini and Riverside Drive to single lane roundabouts. Responsibilities included wetland delineation and protected species habitat assessment . Completed technical review of findings report, including required exhibits, and agency coordination to support NEPA documentation for the federally funded project. |

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| Firm employed by | | ARCADIS | |
| Name | Jose M. Rodriguez, RSP | Years of relevant experience with this employer | 6 |
| Title | Senior Safety Analyst | Years of relevant experience with other employer(s) | 4 |
| Degree(s) / Years / Specialization | | MS / 2014 / Civil Engineering, LSU BS / 2006 / Civil Engineering, Julio Garavito Colombian Engineering School | |
| Active registration number / state / expiration date | | RSP1 #160 / USA / Exp. 05/2025, RSP2 #12 / USA / Exp. 12/2022 | |
| Year registered | N/A | Discipline | |
| Contract role(s) / brief description of responsibilities. | | Safety | |
| Experience dates | | Experience and qualifications relevant to the proposed contract | |
|  | | <p>Mr. Rodriguez specializes in transportation safety and has experience on a wide range of projects including <u>corridor and intersection studies</u>, <u>Stage 0 feasibility studies</u>, Road Safety Assessments, pedestrian and bicycle improvements, and systemic safety evaluation projects. Mr. Rodriguez has extensive experience in crash analysis and the application of <u>Highway Safety Manual Methods</u> including Crash Modification Factors and Safety Performance Functions for local and nonlocal conditions. Mr. Rodriguez develops <u>dynamic web dashboards</u> using Power BI to visualize and organize data analysis results. Mr. Rodriguez has completed Traffic Engineering Process and Report Training.</p> | |
| 03/17 – 09/18 | | <p>Safety Studies IDIQ - New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA. <i>Safety Analyst.</i> Historical crash analysis and safety analyses performed for 20 high priority intersections utilizing the Highway Safety Manual (HSM) 2010 guidelines and Crash Modification Factors (CMFs) from other sources. Analyses include developing build alternatives that address safety and operational issues at each intersection for all road users and developing Stage 0 Checklists and Documentation.</p> | |
| 03/17 – 08/17 | | <p>Traffic Engineering IDIQ - US 71 Corridor - Phase II Stage 0 Feasibility Study, LADOTD; Rapides Parish, LA. <i>Safety Analyst.</i> Responsible for historical crash analysis to identify trends and safety issues. Assisted with the development of build alternatives to address safety issues and performed HSM predictive safety analysis to estimate the potential reduction in crashes for each alternative. Assisted with the completion of Stage 0 Checklists and Documentation.</p> | |
| 02/15 – 01/18 | | <p>Traffic Engineering IDIQ - LA 3105 (Green Acres to LA 72) Corridor Study, LADOTD, Bossier Parish, LA. <i>Safety Analyst.</i> Responsible for evaluation of existing safety conditions and application of Highway Safety Manual methods to predict the effectiveness of proposed access management and safety improvements.</p> | |
| 04/14 – 03/16 | | <p>Highway Safety Manual (HSM) Safety Performance Functions (SPFs) and Louisiana Specific SPFs, LADOTD, Statewide, LA. <i>Safety Analyst.</i> Responsible to calibrate the HSM SPFs based on the HSM recommendations and Statewide crash data and develop the Louisiana Specific SPFs using statistical analyses and procedures recommended by the HSM.</p> | |
| 04/21 – Ongoing | | <p>Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA. <i>Safety Analyst.</i> Responsible to conduct all crash data analysis tasks for the SHSP update, including a statistical analysis of existing emphasis areas and evaluating potential modifications to emphasis areas.</p> | |
| 05/18 – 06/21 | | <p>Safety Studies IDIQ - Baton Rouge Pedestrian Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA. <i>Safety Analyst.</i> Supported the development and delivery of a Pedestrian and Bicycle Safety Action Plan for the City of Baton Rouge. Responsibilities include completing a review of crash data, identification of priority locations, and creation of targeted safety countermeasures based on roadway type. He was responsible for reviewing the crash data in both</p> | |


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| | (Geographic Information Systems) GIS and PowerBI to determine areas to focus on 10 locations with the most need for pedestrian/bicycle safety improvement. The second phase of the project included conducting Road Safety Audits (RSA's) at the 10 priority locations to identify safety issues and develop feasible alternatives to improve pedestrian and bicycle safety . |
| 03/17 – 10/19 | Safety Studies IDIQ - I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA. Safety Analyst. Reviewed and summarized the current best practices and safety research information on hard shoulder running experience in the U.S and Europe. Research included shoulder / median width and impacts to safety, desirable lengths for effective hard shoulder running, and CMFs to predict impacts to safety by reducing lane and / or shoulder widths. Produced a high-level technical memorandum that will identify and evaluate feasible alternatives of utilizing existing I-12 shoulders, researching the best practices, analyzing the safety and operational benefits, and determining the likely costs. Evaluated safety based on crash analysis, the HSM predictive methods and the ISATe tool for Freeways. Estimated costs and benefits of operational and safety analysis for proposed alternatives. |
| 03/17 – 02/18 | Safety Studies IDIQ - I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA. Safety Analyst. Responsible for the collection and evaluation of historical crash data, screening and selection of available safety improvement strategies that typically include alternative intersection configuration, roundabouts, corridor geometry and lane configuration, and driver awareness improvements. Safety analysis using HSM Predictive Method and IHSDM . |
| 03/17 – Ongoing | Pete's Highway Interchange Alternatives and Environmental Assessment, LADOTD, Denham Springs, LA. Traffic and Safety Analyst. Responsible for methodology development and overview of traffic analyses for a high-priority project. Work involves completing an EA and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange. Design alternatives included two split diamond interchange options with roundabout. partial cloverleaves, and collector-distributor road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16); and a diverging diamond interchange alternative at Range Avenue. Performed HSM predictive safety analysis to determine the safety benefits of proposed improvements . |
| 02/19 – Ongoing | District 8 Systemic Safety Project, Pedestrians, Ohio Department of Transportation, Columbus, Ohio. Safety Analysts. Responsible for the review of data, including crash, roadway inventory, and demographics . The project required the development of a PowerBI dashboard and use of GIS analytics to review the crash data to determine metrics that were over-represented to locate areas where crashes are occurring, and areas where crashes may not be occurring, but have similar environmental characteristics (i.e., speed limit, lane width, driver or pedestrian age, presence of zero vehicle households, etc.), as where crashes are happening. This will allow the project team to not only develop engineering treatments, but also target areas for enhanced education and enforcement. |
| 08/18 – Ongoing | Local Road Systemic Safety Task Order Contract, ODOT, Statewide. Safety Analyst. Assisted with four concurrent task orders to perform data driven systemic safety analysis for ODOT's current SHP initiative to promote regional safety through systemic safety analysis. Each task order includes data collection / conflation / QA/QC, database management, data evaluation, examining crash history , developing crash trees, identifying focus facilities, identifying risk factors , identifying segments of the network that may be at risk for crashes, identifying and prioritizing safety improvements , and developing online web applications to clearly convey results to stakeholders using ESRI ArcMap and Microsoft PowerBI. |

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| Firm employed by | |  | |
| Name | Justin Maderia, PE, PTOE, PTP | Years of relevant experience with this employer | 17 |
| Title | Noise and Air Expert | Years of relevant experience with other employer(s) | 0 |
| Degree(s) / Years / Specialization | | MS / 2005 / Civil Engineering; BS / 2004 / Civil Engineering | |
| Active registration number / state / expiration date | | PE.0038492 / LA / 03/31/2022; PTOE #3455 / USA / 07/01/2024; PTP #604 / 07/01/2023 | |
| Year registered | 2013 | Discipline | Civil Engineer |
| Contract role(s) / brief description of responsibilities | | Traffic Stage 0 Safety Studies, Safety Effectiveness Evaluation | |
| Experience dates | Experience and qualifications relevant to the proposed contract | | |
|  | <p>Mr. Maderia's experience in transportation engineering includes safety studies, feasibility studies, traffic flow/demand modeling, spot speed studies, micro-simulation modeling, and traffic noise modeling. His experience with safety studies includes crash review and analysis, development of safety improvements and countermeasures, and application of Highway Safety Manual (HSM) methodologies to evaluate the effectiveness of safety improvements. He has also served as the project engineer responsible for the design of highway projects. Specific design experience includes maintenance of traffic design, traffic control plan design, roadway geometry, horizontal and vertical alignment design. His software program experience includes IHSDM, AutoCAD, MicroStation, Geopak, AutoTurn, SignCAD, GIS, TNM, CORSIM, VISSIM, HCS and all Microsoft Office Applications. Mr. Maderia has completed LADOTD Traffic Engineering Process and Report Training.</p> | | |
| 08/12 – 05/13 | I-210 Cove-Nelson Interchange Improvements EA, ABMB Engineers, Inc.; Lake Charles, Louisiana. Design Engineer. This project involved the Environmental Assessment completion for proposed improvements to I-210 between Cove Lane and Nelson Road. The project included improvements along I-210 and the adjoining local street network. The interchange improvements provide access to future development and address future traffic needs. The study was conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance, issued by FHWA in 1995, and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer, conducting traffic noise impact assessment portion of the study. | | |
| 06/13 – 03/16 | US-11 Environmental Assessment - Traffic & Noise, Louisiana Department of Transportation & Development; Slidell, Louisiana. Transportation Engineer. Responsible for developing existing and future traffic volumes, growth rate estimation, alternative evaluation, preliminary traffic signal timing analysis, and crash analysis. This project includes replacement of the bridge over the Norfolk Southern Railroad and widening the roadway from a two-lane undivided to a four-lane divided roadway for the segment of US 11 between I-12 and US 190 (Gause Boulevard) in Slidell. The project study area is comprised of Synchro analysis for six signalized and four unsignalized intersections. | | |
| 08/12 – 05/13 | I-210 Cove Lane/Nelson Road Interchange Improvements, Louisiana Department of Transportation & Development; Calcasieu Parish, Louisiana. Design Engineer. This project involved the Environmental Assessment completion for proposed improvements to I-210 between Cove Lane and Nelson Road. The project included improvements along I-210 and the adjoining local street network. The interchange improvements provide access to future development and address future traffic needs. The study was conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance, issued by FHWA in 1995, and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer, conducting traffic noise impact assessment portion of the study. | | |
| 12/11 – 07/13 | Chef Menteur Bridge and Approaches Route US 90, Louisiana Department of Transportation & Development; Orleans Parish, Louisiana. Design Engineer. This project involves the Environmental Assessment completion for proposed improvements to the Chef | | |


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| | <p>Menteur Bridge and Approaches. The proposed project includes replacing the existing Chef Menteur Pass Bridge and Approaches, located in Orleans Parish on U.S. Highway 90. The project calls for a replacement bridge with two 12-foot-wide travel lanes and 10-foot-wide shoulders on each side. The logical termini were approved by the Federal Highway Administration (FHWA). The study area extends along US 90 from US 11 to Louisiana Highway 433. The study is conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance issued by FHWA in 1995 and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer conducting traffic noise impact assessment portion of the study.</p> |
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| Firm employed by | |  | |
| Name | Kester Hollier, PE, PTOE | Years of relevant experience with this employer | 2 |
| Title | Senior Traffic Engineer | Years of relevant experience with other employer(s) | 16 |
| Degree(s) / Years / Specialization | | BS / 2004 / Civil Engineering, Louisiana Tech University | |
| Active registration number / state / expiration date | | PE.034304 / LA / Exp. 03/2023; PTOE #3928 / USA / Exp. 11/2024 | |
| Year registered | 2009 | Discipline | Civil Engineering |
| Contract role(s) / brief description of responsibilities. | | Task Order Manager, Traffic Signal Design & Timing, Traffic Modeling & Studies | |
| Experience dates | Experience and qualifications relevant to the proposed contract | | |
|  | <p>Mr. Hollier possesses a wide breadth of experience in <u>traffic engineering studies and design</u> including <u>feasibility studies</u>, <u>intersection and corridor traffic studies</u>, <u>signal timing and design</u>, <u>roadway design</u>, <u>complete street improvement projects</u>, <u>traffic modeling and analysis</u>, <u>transportation safety</u>, and <u>construction management and inspection</u>. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and helps provide expertise in achieving successful solutions for a variety of projects. Mr. Hollier has completed LADOTD Traffic Engineering Process and Report Training.</p> | | |
| 11/20 – Ongoing | <p>I-10 CMAR – Traffic Engineering Services, LADOTD, East Baton Rouge Parish, LA. <i>Project Manager.</i> Responsible for traffic engineering tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation management plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive historical crash and safety analysis is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.</p> | | |
| 09/12 – 02/16 | <p>Stage 0 Traffic Study and Stage 1 EA for Replacing Belle Chasse Tunnel and Bridge, LADOTD, Plaquemines Parish, LA. <i>Lead Traffic Engineer.</i> Responsible for the feasibility study and traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives that will be proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of the roadway portion and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review.</p> | | |
| 11/17 – 07/20 | <p>LA 466 (5th Street) Improvements Traffic Study, City of Gretna, Jefferson Parish, LA. <i>Project Manager / Senior Traffic Engineer.</i> Responsible for the traffic study and impacts for the proposed complete streets improvements along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included data collection along the corridor and at designated intersections, safety and crash analysis along the corridor, trip generation/land use and performing existing traffic analysis and future traffic analysis for proposed final alternative. The traffic study was prepared to follow the Louisiana Department of</p> | | |

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| | Transportation and Development's Traffic Engineering Process and Report Guidelines . The project also included a stand alone pedestrian study along the corridor at designated intersection and the design of accessible pedestrian signals at signalized intersections. |
| 12/17 – 11/19 | Causeway Boulevard Widening Traffic Study, Jefferson Parish, LA. Project Manager / Senior Traffic Engineer. Responsible for the traffic and safety study for the proposed widening of Causeway Boulevard between Metairie Rd. and West Esplanade Blvd. in Jefferson Parish, LA. Tasks included data collection , traffic volume redistribution, left-turn placement and turn bay storage length, and existing traffic analysis and future traffic analysis of a preferred alternative . |
| 05/14 – 08/20 | Causeway Blvd. at Earhart Expwy. Interchange, LADOTD, Jefferson Parish, LA. Senior Traffic Engineer. Responsible for the design of traffic control and construction sequencing, pavement marking layout , quantity analysis, cost estimates , and quality control for a new interchange at LA 3139 (Earhart Expwy.) and LA 3046 (Causeway Blvd.) in Jefferson Parish, LA. Provided review for the interchange traffic sign and traffic signal timings and design . Identified all necessary design waivers and design exceptions required for LADOTD approval. Provided geometric layout design, typical section design and review, and joint layout design for several interchange ramps and underpasses. |
| 06/13– 04/14 | US 190 Stage 0 Feasibility Study, LADOTD, St. Tammany, LA. Traffic Engineer. Responsible for roundabout geometric design and pedestrian and bike path design along the US 190 corridor in the City of Slidell and St. Tammany Parish to improve safety for motorized and non-motorized roadway users . |
| 10/18 – 01/19 | LA 22 Traffic Circulation and Corridor Analysis, NORPC, St. Tammany Parish, LA. Senior Traffic Engineer. Responsible for the development of three future alternatives along Northshore Boulevard between I-12 and US 190 in Slidell, LA. Managed the data collection process and peak period observations to determine existing traffic patterns as well as the safety analysis along the corridor. Developed three alternatives that used a combination of traffic signal retiming , J-turns, and roundabouts to provide better access management along Northshore Boulevard as well as improve traffic flow in the corridor for current and proposed future conditions with consideration given to proposed future developments using trip generation and land use analysis. |
| 01/10 – 04/11, 07/13 – 01/14 | Stumberg Lane Extension, City of Baton Rouge Green Light Plan, East Baton Rouge Parish, LA. Traffic Engineer. Responsible for the design of new traffic signals at US 61 (Airline Highway) and LA 73 (Jefferson Highway) for the extension of Stumberg Lane in Baton Rouge, LA. Also, responsible for the design and layout of the fiber optic interconnect along the proposed extension. |
| 05/09 – 07/13 | LA 23 Widening (Lapalco Blvd. – Engineers Rd.), LADOTD, Jefferson and Plaquemines Parishes, LA. Traffic/Civil Engineer. Responsible for the road design and geometrics for the widening of LA 23 in Jefferson and Plaquemines Parishes between Lapalco Blvd. (LA 428) and Engineers Rd. (LA 3017). Developed traffic analysis for the traffic signal timing and required turn bay lengths at intersections. Developed traffic signing plans, pavement marking layouts and temporary traffic control plans. |
| 10/10 – 07/15 | Barriere Road Feasibility Study/Traffic Study, US Department of Defense, Plaquemines Parish, LA. Civil/Traffic Engineer. Responsible for the geometric layout and design of the realignment alternatives of Barriere Rd. between LA 23 to the US Naval Air Station. Developed and reviewed traffic analysis for arrival and departure patterns for the South US Naval Air Station entrance gates. |



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| Firm employed by | | ARCADIS | | Meets MPR No. 6 |
| Name | Luis Velasquez, PE | | Years of relevant experience with this employer | 7 |
| Title | Senior Transportation Engineer | | Years of relevant experience with other employer(s) | 1 |
| Degree(s) / Years / Specialization | | | BS / 2012 / Civil Engineering | |
| Active registration number / state / expiration date | | | Professional Engineer # PE086996 / PA / Exp. 09/2019 Engineer-in-Training # EIT025542 / GA | |
| Year registered | 2017 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities. | | | Air Quality/Noise Modeling | |
| Experience dates | | Experience and qualifications relevant to the proposed contract | | |
|  | | Luis Velasquez is an air quality and noise analyst with 7 years of experience in transportation engineering. His engineering experience includes developing environmental air and noise special studies for a wide variety of roadway and bridge projects. Services included carbon monoxide analysis using CAL3QHC, Mobile Source Air Toxics (MSAT) analysis, PM2.5 review, ozone conformity review and Traffic Noise Model 2.5 (TNM 2.5) analysis. The air analysis also includes a review of conformity to the National Ambient Air Quality Standards (NAAQS) for ozone, nitrogen dioxide, sulfur dioxide, and lead. Experienced performing noise studies in accordance with FHWA Highway Traffic Noise Policy and Guidance and state DOT noise policies. | | |
| 12/18 – 05/19 | | I-40 at I-77 at Interchange Improvements, TIP Project I-3819, Flatiron Contractors, NC. Noise Subject Matter Expert for the proposing Design-Build Team (Flatiron Constructors), reviewing the design noise report as part of the pre-bid tender phase of the project. The noise analysis review completed by Luis, included becoming familiar with the NCDOT Traffic Noise Policy and providing details of the design noise report to the Design-Build Team. The expert review provided by Luis indicated that the design noise report completed back in 2010 did not meet new NCDOT Traffic Noise Policy requirements. A risk assessment workshop was completed with the roadway engineers, noise team, and contractors to determine how best to estimate for new noise barriers along the project limits. | | |
| 07/15 – 05/19 | | I-85 HOT Lane Extension PI# 110600, CW Matthews Contracting Company, Atlanta, GA. Noise Subject Matter Expert for the proposing Design-Build Team (C.W Matthews Contracting) reviewing the noise report as part of the pre-bid tender phase of the project. Provided details of the noise report to the Design-Build Team and coordinated with roadway design engineers for optimal placement of the required noise barriers. Re-designed and optimized the required noise barriers, while still meeting GDOT Noise Policy, and reduced the project total barrier area by an estimated 50,000 square feet, providing an estimated cost savings of \$1.3M to the contractor. | | |
| 07/17 – 05/19 | | I-85 General Purpose Lane Widening. PI# 110610, CW Matthews Contracting Company, Atlanta, GA. Noise Subject Matter Expert for the proposing Design-Build Team (C.W Matthews Contracting) reviewing the noise report as part of the pre-bid tender phase of the project. Re-designed and optimized the required noise barriers, while still meeting GDOT Noise Policy, and reduced the project total barrier area by an estimated 20,000 square feet, providing an estimated cost savings of \$500K to the contractor. | | |

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| 09/13 – 03/16 | I-285 at Riverside Drive, GDOT, Atlanta, GA. <i>Traffic Engineer.</i> Conducted a traffic noise impact assessment for the proposed Interstate 285 at Riverside Drive interchange modification. Project responsibilities included data collection of existing conditions, and traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts based on the proposed interchange configuration, and investigated the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Compiled all noise analysis and results into narrative reports and figures. |
| 04/14 – Ongoing | I-285 @ GA 400, GDOT, Metro Atlanta, GA. <i>Traffic Engineer.</i> Conducted traffic noise impact assessment for one of Metro Atlanta's most congested interchanges to support a Environmental Assessment, public involvement, and NEPA Re-Evaluation. Performed data collection of existing conditions, and traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts based on the proposed interchange configuration. Investigated the feasibility of noise mitigation measures (sound barriers) including benefit-cost ratios. |
| 12/15 – 11/17 | I-16 at I-95 Interchange Reconstruction, I-16 Widening, GDOT, Chatham County, GA. <i>Air and Noise Engineer.</i> Conducted traffic noise impact assessment and air analysis report for the I-16 at I-95 interchange reconstruction and I-16 Widening Project in Savannah, GA. Responsibilities included data collection of existing conditions, creation of traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts due to proposed interchange configuration and investigated the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Air quality analysis included CO analysis using CAL3QHC and coordination on MSAT, PM2.5, and ozone analysis. The report also includes a review of conformity to NAAQS for ozone, nitrogen dioxide, sulfur dioxide, and lead. |
| 11/16 – Ongoing | I-20 Over Savannah River Bridge Replacement, GDOT, Richmond County, GA. <i>Traffic Engineer.</i> Conducting traffic noise impact assessment and air analysis report for the I-20 Over Savannah River Bridge Replacement Project in Augusta, GA. Responsibilities included data collection of existing conditions, creation of traffic noise modelling for existing, no-build and build conditions using TNM 2.5. Identify potential traffic noise impacts due to proposed interchange configuration and investigates the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Air quality analysis included CO analysis using CAL3QHC and coordination on MSAT, PM2.5, and ozone analysis. The report also includes a review of conformity to the NAAQS for ozone, nitrogen dioxide, sulfur dioxide, and lead. |

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| Firm employed by | |  | |
| Name | Max Aguirre, PhD, PE, RSP | Years of relevant experience with this employer | 3 |
| Title | Traffic and Safety Engineer | Years of relevant experience with other employer(s) | 1 |
| Degree(s) / Years / Specialization | | PhD / 2018 / Engineering Science, LSU; MS / 2015 / Construction Management, LSU; BS / 2013 / Civil Engineering, LSU | |
| Active registration number / state / expiration date | | PE.052016 / NC / Exp. 12/2022; RSP #636 / USA / Exp. 8/2024 | |
| Year registered | 2021 | Discipline | Civil Engineering |
| Contract role(s) / brief description of responsibilities. | | Safety | |
| Experience dates | Experience and qualifications relevant to the proposed contract | | |
|  | <p>Dr. Aguirre has experience working on projects for Louisiana Department of Transportation and Development (LADOTD) pertaining to traffic and <u>safety studies</u>, <u>feasibility studies</u>, <u>pedestrian and bicycle improvements</u>, permanent signing design, signal design, and NEPA studies. He is also familiar with the Highway Capacity Manual, <u>Highway Safety Manual</u>, MUTCD, and AASHTO "Green Book". Dr. Aguirre is also knowledgeable in the application of several software programs including <u>IHSDM</u>, Synchro, GuidSIGN, HCS and MicroStation software. Dr. Aguirre has completed LADOTD Traffic Engineering Process and Report Training.</p> | | |
| 08/19 – 02/20 | <p>Traffic Engineering IDIQ - US 61 Access Management and Corridor Improvements (Airline Hwy) Feasibility Study, LADOTD, East Baton Rouge Parish, LA. Traffic Engineer. Project purpose was to evaluate the effectiveness of proposed <u>access management improvements</u> along US 61 and identify <u>feasible alternatives</u> to maximize operational and safety benefits. Evaluated the need for pedestrian and bicycle accommodations based on historical crash data and adjacent land use. Assisted in conducting traffic analysis and the development of <u>benefit-cost analysis</u> to compare the effectiveness of the proposed alternatives.</p> | | |
| 09/19 – 06/21 | <p>Safety Studies IDIQ - Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA. Traffic and Safety Engineer. Assisted with the <u>assessment of existing and future safety deficiencies</u> related to pedestrian and bicycle modes at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the development of screening criteria to identify high priority locations with a history of pedestrian and/or bicycle crashes. Conducted <u>Road Safety Assessments (RSAs)</u> at 10 priority locations to identify and evaluate safety deficiencies and <u>develop safety countermeasures</u> to <u>improve safety for pedestrians and bicyclists</u>.</p> | | |
| 10/19 – 07/21 | <p>I-10 New Orleans to Slidell Hard Shoulder Running Traffic and Safety Feasibility Study, LADOTD, Orleans Parish, LA. Traffic and Safety Engineer. Purpose of the project was to evaluate the feasibility of implementing HSR lanes along I-10 to <u>alleviate existing bottlenecks and congestion</u> along critical segments of the corridor. Assisted in <u>safety analysis</u> and development of conceptual drawings and typical sections for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell.</p> | | |
| 11/20 – Ongoing | <p>I-10 CMAR Traffic Engineering Services, LADOTD, East Baton Rouge Parish, LA. Traffic and Safety Engineer. Assisting in traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Assisted in the development of <u>existing condition safety analysis</u> including tasks such as <u>crash data analysis</u>, <u>collision diagrams</u>, and <u>crash report documentation</u>.</p> | | |

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| Firm employed by | | ARCADIS | | |
| Name | Skyler Waaso, PE, PTOE | | Years of relevant experience with this employer | 2 |
| Title | Senior Traffic Engineer | | Years of relevant experience with other employer(s) | 11 |
| Degree(s) / Years / Specialization | | | BS / 2009 / Civil Engineering, University of Louisiana at Lafayette | |
| Active registration number / state / expiration date | | | PE.0039070 / LA / Exp. 09/2024; PTOE #4600 / USA / Exp. 03/2025 | |
| Year registered | 2017 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities. | | | Traffic Modeling & Studies (Intersection, Corridor, Network Analysis / Warrant Analysis) | |
| Experience dates | | Experience and qualifications relevant to the proposed contract | | |
|  | | Mr. Waaso is a Senior Traffic Engineer with 13 years of experience in traffic modeling and studies. He is experienced with a range of traffic modeling software including Highway Capacity Software, Vissim (microsimulation), Synchro, Vistro, and Sidra. Mr. Waaso has experience managing and delivering a wide range of traffic projects for LADOTD, and other DOTs across the country, pertaining to intersection and corridor studies, access management studies, signal warrant studies, Stage 0 feasibility studies, NEPA studies, and safety studies. Mr. Waaso has completed the LADOTD Traffic Engineering Process and Report Training. | | |
| 02/17 – 09/18 | | Traffic Engineering IDIQ - US 71 Corridor - Phase III Traffic and Safety Corridor Study, LADOTD, Rapides Parish, LA. Traffic Engineer. Responsible for conducting traffic study tasks including traffic data collection, signal warrant analysis, traffic analysis, crash analysis, alternative and countermeasure development, predictive safety analysis, and conceptual drawings. | | |
| 02/17 – 02/18 | | Traffic Engineering IDIQ – US 165 Traffic and Corridor Study, LADOTD, Ouachita Parish, LA. Traffic Engineer. Responsible for traffic study tasks including traffic data collection and volume development, microsimulation modeling (Vissim) of existing and future conditions, developing capacity, access management and safety improvements, and study documentation. | | |
| 01/18 – 06/19 | | Traffic Engineering IDIQ - I-20 Mesoscopic Model and TMP Using Dynameq, LADOTD, Bossier Parish, LA. Traffic Engineer. Assisted with the development of mesoscopic traffic model using Dynameq to predict queueing, delay and alternate travel patterns due to planned construction on I-20 to replace pavement. The project is anticipated to disrupt traffic in this critical portion of I-20. The project scope includes development and calibration of mesoscopic model, analysis of alternative routes, safety analysis, operational analysis, assistance with public outreach, development of a Level 4 TMP, and development of work zone mitigation strategies. | | |
| 06/15 – 02/17 | | LA 59 Roundabout Corridor Traffic Study, LADOTD, St. Tammany Parish, LA. Traffic Engineer. Performed traffic analysis for a segment along the LA 59 corridor in Covington, Louisiana. Main tasks included analyzing the corridor's existing conditions and developing alternatives that would improve the safety and capacity needs of the corridor. Performed the traffic analysis in Synchro and Sidra as well as review crash reports and summary the crash history. Developed alternatives for the corridor and presented our concept to the DOTD district office and parish representatives. Completed a stamped and signed roundabout report. | | |
| 09/19 – Ongoing | | Innovate Mound Project, MDOT, Macomb County, MI. Senior Traffic Engineer. Responsible for traffic engineering tasks including conducting a corridor traffic study of Mound Road from I-696 to M-59. Traffic modeling and analysis was performed to develop proposed improvements including capacity, access management, safety, multi-modal and traffic | | |

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| | signal improvements. Developed traffic study documentation and provided transportation management during construction. |
| 04/16 – 02/17 | I-110 to Terrace Avenue Interchange Modification Report, LADOTD, East Baton Rouge Parish, LA. Traffic Engineer. Prepared an Interchange Modification Report for FHWA on a future connection along I-110 SB in downtown Baton Rouge. Main tasks included modeling of the existing, no build, and build alternative in Vissim and completing the written Interchange Modification Report that was submitted to FHWA. |
| 02/17 – 02/18 | Safety Studies IDIQ - I-49 Interchange Stage 0 Traffic and Safety Feasibility Study, LADOTD, Lafayette Parish, LA. Traffic Engineer. Responsible for conducting traffic study and associated tasks including data collection and analysis, traffic and safety analysis, and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives to address historical safety issues along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions. |
| 04/19 – 06/19 | Traffic Signal Design IDIQ - US 90 Traffic Signal Timing Upgrades/LADOTD, Lafayette Parish, LA. Traffic Engineer. Project tasks involved traffic data collection and analysis, traffic signal inventory, peak period determination and observations, warrant analysis, travel time runs, traffic signal timing analysis using Synchro 10 software, and development of updated TSI forms following latest LADOTD standards |
| 02/17 – 06/19 | Pete's Highway Traffic Study and Environmental Assessment, LADOTD, Denham Springs, LA. Traffic Engineer. Responsible for traffic analysis of proposed alternatives using Vissim software. Work involves completing an Environmental Assessment and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange. Conducted signal warrant analysis and developed optimized timing plans for proposed improvements. An Interchange Modification Report was prepared to document results of the traffic study and proposed improvements. |
| 02/20 – Ongoing | U-23 Flex Route Traffic Study, MDOT, Livingston County, MI. Senior Traffic Engineer. Responsible for traffic modeling and alternative analysis for US-23 between M-36 and I-96. Work includes analysis of build alternatives, including developing and calibrating existing Vissim models to FHWA/MDOT standards and using the models to compare the projected future traffic operations of build alternatives, including the extension of the existing US-23 Flex Route north of I-96. The US-23 Flex Route is a part-time dynamic hard shoulder use facility north of Ann Arbor. This study will evaluate if and how the Flex Route can be extended approximately five miles from 8 Mile Road to I-96. The study will include conducting traffic and geometric analyses, road and bridge scoping, conducting environmental surveys with appropriate reports and preparing National Environmental Policy Act (NEPA) documentation. The study will include traffic, road, bridge, ITS components, safety and drainage. There is also a public engagement aspect to the project that will involve two stakeholder meetings and two public meetings. |
| 07/19 – Ongoing | I-375 Corridor Improvements, MDOT, Detroit, MI. Senior Traffic Engineer. Responsible for the operational analysis of build alternatives and completing the Interchange Access Change Request (IACR) document. The build alternatives modeled in Vissim converted an urban freeway into an urban boulevard. The build alternative also included a new traffic forecasting methodology, which was developed by working with dynamic traffic assignment model to consider potential traffic impacts outside of the study area using Synchro and HCS. The project will promote and support walkability, increase transit access, and improve non-motorized connections and urban-friendly linkages between businesses, cultural, entertainment destinations, and neighborhoods. Scope of services include environmental clearance, early preliminary engineering, project management, project controls, federal compliance, public involvement, procurement, oversight of design, and construction inspection services. |

| 16. Staff Experience: | | | | | |
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| Firm employed by | | The Lakvold Group, LLC | | | |
| Name | Angela Lemoine-Lakvold, MAI, SRA, R/W-AC | | Years of relevant experience with this employer | 23 |  |
| Title | Appraiser | | Years of relevant experience with other employer(s) | 36 | |
| Degree(s) / Years / Specialization | | | B.S. / 1985 / Business and Public Administration MBA / 1998 / Business Administration | | |
| Active registration number / state / expiration date | | | G0575 / LA / 12.31.2023 |  The Lakvold Group, LLC <small>Commercial Real Estate Appraisers and Consultants</small> | |
| Year registered | 1992 | Discipline | General Real Estate Appraiser | | |
| Contract role(s) / brief description of responsibilities | | | Conceptual Stage Relocation | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | | |
| <p>Angela Lemoine-Lakvold, MAI, SRA, R/W-AC is the owner of The Lakvold Group, LLC, an independent real estate appraisal firm. She has over 35 years of experience with various roles related to real estate appraisal and appraisal review. She holds the MAI and SRA appraisal designations from the Appraisal Institute and the Right-of-Way/Appraisal Certification from the International Right-of-Way Association. The firm specializes in expropriation work and has worked on numerous projects over the last few years to acquire right-of-way for road widening projects, pipelines, and conservation servitudes. The firm has also completed several Conceptual Stage Relocation Plans for preliminary projects in various locations throughout the state. The Lakvold Group is certified as a Disadvantaged Business Enterprise (DBE) and Small Entrepreneurship with Louisiana Economic Development, Hudson Initiative (Certification Number 9533).</p> | | | | | |
| 03/86-08/90 | Staff Appraiser with Louisiana Department of Transportation and Development | | | | |
| 01/12 – Current | <p>Completed appraisals and appraisal reviews on numerous right-of-way projects for federal, state, and local government entities and has completed several Conceptual Stage Relocation Plans in the following projects:</p> <ul style="list-style-type: none"> State Project No. H.002344, CPP No. 12-CS-HC-0015, Perkins Rd- Siegen Ln to Highland Rd, East Baton Rouge Parish, LA; State Project No. H.004932 (Design-Build), US 90 (Future I-49) La 318 Interchange, St. Mary Parish, LA; State Project No. H.007970, CPP No. 12-CS-HC-0043, Old Hammond Hwy (LA 426) Segment 1, East Baton Rouge Parish, LA; State Project No. H.011670 (Design-Build), F.A.P. No. H011670, Interstate 10/Loyola Interchange Improvements, Jefferson Parish, LA; State Project No. H.005734, F.A.P. No. H005734, LA 447 Corridor Study, Route LA 447, Livingston Parish, LA; State Project No. H.001271, Cane River Bridge Church St, Route LA 1-X, Natchitoches Parish, LA; State Project No. H0012308, Cook Road Imp: LA 16 to Juban Crossing, Livingston Parish, LA; State Project No. H.000284 and H.000289, F.A.P. No. H000284 and H000286, US 90 Pearl River Bridges, Route US 90, St. Tammany Parish, LA and Hancock County, MS; and State Project No. H.009932, F.A.P. No. H009932, US 80 Widening: Vancil Rd to Well Road, Ouachita Parish, LA. | | | | |

16. Staff Experience:

| | | | |
|--|---|--|--|
| Firm employed by Civil Design & Construction, Inc. (CD&C) | | | |
| Name | Clarence J. Goodspeed | | Years of relevant experience with this employer > 1 yr. |
| Title | Utility Coordinator | | Years of relevant experience with other employer(s) 30 years |
| Degree(s) / Years / Specialization | | | |
| Active registration number / state / expiration date | | | |
| Year registered | | Discipline | |
| Contract role(s) / brief description of responsibilities * Dates not included as work was done at previous Employer | | *Mr. Goodspeed has 30 years' experience in underground utilities. Mr. Goodspeed has been involved in almost every aspect of underground utilities and His knowledge of reading multiple utility companies prints and understand how their systems are installed makes him a great asset to managing CD&C Sue department. | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | |
| 09/22 – On-Going | (Proj# Not Available) BRMA Northwest Aviation Development: Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with standards set forth by City/Parish government for East Baton Rouge. | | |
| 03/22 – On-Going | H.011833.5 St. Mary Street Sidewalks; Scott, LA: Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards. | | |
| 03/22 – 09/22 | H.010960.5-2 Roundabouts at LA 182, Lafayette, LA: Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards. | | |
| 01/99 – 1/2000; 01/01 – 12/03; 01/12-04/12; 01/13 – 03/22 | BHA Engineering Damage prevention tech (Underground Locator) contracted to Demco Electric to locate their underground facilities. | | |
| 01/2000 – 12/2000 | Wave Tech Geophysical Engineering Conducted SUE work, vacuum excavation, ground penetrating radar, road pavement GPR, leak detection, researching utility prints, and conducting locates on military facilities and airports. | | |

| | |
|---------------|---|
| 07/06-12/06 | <u>Bron Construction</u> Assisted in maintenance, and new construction of Entergy Electric underground and some overhead lines. |
| 12/03 – 07/06 | <u>UtiliQuest LLC</u> Supervisor, Damage Investigator, State Claims Manager, and Operations Manager. Also, took part in negation of contracts. |
| 04/12-12/12 | <u>Fibore</u> Filled in as supervisor for burying Charter Communication service drop crews, installation of main and service drops with directional boring rig, assisted in settling property damage claims, and assisted in pointy of contact with Charter Construction personal. |

16. Staff Experience:

| | | | | |
|---|-------------------------|---|---|----|
| Firm employed by | | Civil Design & Construction, Inc. (CD&C) | | |
| Name | Ralph Burgess, PLS | | Years of relevant experience with this employer | 11 |
| Title | Principal Land Surveyor | | Years of relevant experience with other employer(s) | 12 |
| Degree(s) / Years / Specialization | | | BS / 2004 / Industrial Design & Supervision, Southeastern LA University | |
| Active registration number / state / expiration date | | | 5040 / Louisiana – September 30, 2024 | |
| Year registered | 2010 | Discipline | Land Surveyor | |
| Contract role(s) / brief description of responsibilities. | | | Mr. Burgess serve as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms’ deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning. | |
| Experience dates (mm/yy–mm/yy) | | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | |
| 07/20 – 04/21 | | H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish: Mr. Burgess was the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. This included merging of data from a previous survey on one portion of the site and field verifications of that data. The topographic data for this project was collected traditionally. | | |
| 01/18-01/20 | | H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA: Mr. Burgess was the surveying Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500’ for control verification and incorporation of the Mobile Lidar for the I-10 pavement. | | |
| 7/17-12/18 | | H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together. | | |
| 01/16-08/16 | | H.005733.5 US 190 Superstreet, St. Tammany Parish, LA: Mr. Burgess served as Survey Manager for the project. Duties included complete topographic survey and drainage map for this project including all utility coordination. The survey began at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. This project also included work in the Abita River and utilized 3D Terrestrial Scanning for the main route. | | |

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|-------------|--|
| 10/15-12/18 | H.003184.5 I-10 Texas State Line –East of Coone Gully, Calcasieu Parish, LA: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, coordination of utility companies on the project, review and verification of drainage crossing I10, merging of existing topographic survey of bridges from LADOTD and final review of all survey data for submittals |
| 08/16-12/17 | H.011235 I-49 South at Verot School Road, Lafayette, LA: Mr. Burgess served as the Survey Manager for the project. Duties included meeting with LADOTD, and all consultants on the team, coordination of both traditional crews and 3D terrestrial scanning crew, coordination of survey crews with Cardno, Inc, utility locations on the project, met and review right of entry with landowners for project, review of drainage map, merging of existing topographic survey of the I-49 Connector project from LADOTD with current survey of project, review of apparent right of way mapping for prime consultant, and final review of all survey data. |
| 07/14-10/15 | H.011088.5 I-110 North Street to Plank Road, EBR Parish, LA: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, review and verification of drainage map, merging and final review of all survey data for submittals. Other special duties were coordinating with LADOTD District 61 for a rolling lane closure for location of drainage located in the interior of the project along the existing crash wall. Also, coordination with LADOTD Records and EBR City Parish regarding the research of all drainage structures that enter and leave the project area. |
| 04/17-07/17 | H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA: Mr. Burgess served as Survey Manager on this project which included a complete topographic survey, utility coordination, channel cross-sections and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying. |
| 03/14-06/14 | H.008369 Cleo Road Roundabout, St. Tammany Parish, LA: Mr. Burgess served as the project manager for the project. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D. |
| 05/13-07/13 | H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA: Survey Manager for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line. |
| 10/14-12/14 | H.011088.5 West Prien Lake, Lake Charles, LA: Mr. Burgess served as the Survey Manager for this project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits. |
| 02/14-03/17 | H.010620 I-49 Design Build: Mr. Burgess managed and supervised all field work, utility coordination, and review of existing survey data for final topographic survey submittal. CD&C also produced ROW maps for the project. Mr. Burgess's duties for this portion also included title reports, review of property surveys and final submittal of final existing right of way plans. |

SECTION 17



17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

| | | | |
|---|--|---|--|
| Firm name | C. H. Fenstermaker & Associates, L.L.C. | Past Performance Evaluation Discipline(s)* | Road, Traffic, Planning |
| Project name | Cane River Bridge Church Street Route (LA1-X) Environmental Assessment | | Firm responsibility (prime or sub?) Prime |
| Project number | SPN: H.001271 | Owner's name | Louisiana Department of Transportation and Development |
| Project location | Natchitoches Parish, LA | Owner's Project Manager | Jacob Fusilier, P.E. |
| Owner's address, phone, email | 1201 Capitol Access Road, Baton Rouge, LA 70802, (225) 342-1185, Jacob.fusilier@la.gov | | |
| Services commenced by this firm (mm/yy) | 05/17 | Total consultant contract cost (\$1,000's) | \$867.77 |
| Services completed by this firm (mm/yy) | 04/20 | Cost of consultant services provided by this firm (\$1,000's) | \$486.07 |

Fenstermaker served as the prime consultant responsible for the **planning, public outreach, engineering, and environmental services** necessary to gauge public support and document information for LADOTD and FHWA to reach an **environmental decision** for proposed replacement of the Cane River Bridge. This project had already gone through the environmental process prior to Fenstermaker being awarded the project; however, the environmental process was stopped due to public comment and opinion. Fenstermaker was able to successfully complete the environmental process with public support obtained in the process through several public meetings and interactions led by Fenstermaker. The project included conducting appropriate **technical and environmental studies** and the **preparation of the final Environmental Assessment (EA)**, culminating in a Finding of No Significant Impacts (FONSI). Also included were the analysis, evaluation, and documentation of the proposed project **alternative alignments** and their effects in accordance with the provisions of NEPA, FHWA, LADOTD, and applicable laws, rules, guidance, and regulations. In addition, Fenstermaker provided overall **project management, environmental assessment document, public and agency outreach** coordination, preparation of the project's **line and grade study**, and coordination of all project meetings. Fenstermaker was commended by both LADOTD and FHWA for **successfully obtaining one of the first Programmatic Section 4(f) Net Benefit findings on this project in the state.**



Staff to be used in this proposal:

Raymond Reaux, P.E. | Dax Douet, P.E. | Aimee Latiolais, P.E. | Christopher Guidry | Sherry Eastin

| | | | |
|---|--|---|--|
| Firm name | C. H. Fenstermaker & Associates, L.L.C. | Past Performance Evaluation Discipline(s)* | Road, Environmental, Planning |
| Project name | LA 37 Sullivan Road to Liberty Road | | Firm responsibility (prime or sub?) Prime |
| Project number | SPN: H.002297.1 | Owner's name | Louisiana Department of Transportation and Development |
| Project location | East Baton Rouge Parish, LA | Owner's Project Manager | Hong Zhang, P.E., PTOE, Ph.D. |
| Owner's address, phone, email | 1201 Capitol Access Road, Baton Rouge, LA 70802, (225) 379-1421, hong.zhang@la.gov | | |
| Services commenced by this firm (mm/yy) | 06/18 | Total consultant contract cost (\$1,000's) | \$416.57 |
| Services completed by this firm (mm/yy) | 12/21 | Cost of consultant services provided by this firm (\$1,000's) | \$189.72 |

Fenstermaker served as the prime consultant responsible for **engineering, environmental, and planning services** required to determine necessary improvements along the LA 37 (Greenwell Springs Road) corridor from Sullivan Road to Liberty Road in East Baton Rouge Parish through LADOTD's Stage 0 process. This section of roadway is in Central, Louisiana in East Baton Rouge Parish and is approximately 8.5 miles long. The purpose of the project was to **improve operations and safety** along the corridor by **increasing capacity, reduce traffic delays, improve the level of service, and reduce the number and severity of crashes**. Fenstermaker identified **numerous alternatives** for three segments along LA 37, ranging from widening, installing shoulders and turn lanes, installing lighting and signing, and various intersection improvements. These alternatives and a **screening matrix** were presented to LADOTD for refinement. A total of nine alternatives (three for each segment) were identified to proceed in the **development of traffic analyses, environmental screening, a line and grade study, and feasibility analyses**. The study evaluated potential environmental, cultural, and socioeconomic resources within the designated project area. This study allowed LADOTD to identify in the early stages of this proposed project any environmental, socioeconomic, or cultural resource constraints, context sensitive issues with the project, and feasibility of the design and construction of the project that could potentially affect the various concepts being considered. Each alternative was evaluated to determine the **traffic impacts** of the proposed improvements, **geometric requirements** to construct the project using current highway design guidelines, **right-of-way impacts, potential environmental impacts, and estimated project costs**.



Staff to be used in this proposal:

Dax Douet, P.E. | Aimee Latiolais, P.E.

| | | | |
|---|--|---|---|
| Firm name | C. H. Fenstermaker & Associates, L.L.C. | Past Performance Evaluation Discipline(s)* | Environmental |
| Project name | Upper West Fork Cypress Bayou Environmental Assessment | | Firm responsibility (prime or sub?) Prime |
| Project number | Not applicable | Owner's name | Town of Plain Dealing |
| Project location | Bossier Parish, LA | Owner's Project Manager | Shavonda Gay |
| Owner's address, phone, email | 205 West Palmetto Avenue, Plain Dealing, LA, 71064, pdmayor@centurytel.net | | |
| Services commenced by this firm (mm/yy) | 11/19 | Total consultant contract cost (\$1,000's) | \$668.51 |
| Services completed by this firm (mm/yy) | 12/22 | Cost of consultant services provided by this firm (\$1,000's) | \$668.51 |

Fenstermaker prepared a NEPA compliant watershed plan and **Environmental Assessment (EA)** in accordance with the current USDA-NRCS and LADOTD state dam safety criteria for Cypress Bayou dams No. 1, 2, and 3 in the West Fork Bayou Watershed. All three dams were constructed in 1959 and 1960 and were designed to provide flood prevention and municipal water storage. They were constructed and classified as high hazard potential dams, but no longer meet the current safety and design criteria for the high hazard classification. The purpose of the watershed plan and EA was to develop dam rehabilitation alternatives that meet the current NRCS and Louisiana Dam Safety performance criteria and to provide continued flood protection for the Town of Plain Dealing.

Fenstermaker performed all work in accordance with NRCS regulations which involved performing **inventories, surveys, investigations, preliminary designs, public meetings, coordination, and planning** necessary to successfully complete the EA document with approval. The services provided by Fenstermaker included **solicitation of views**, developing the project's **purpose and need**, inventorying **environmental, economic, and social impacts, threatened and endangered species, wetlands**, developing complex one and two-dimensional hydrologic and hydraulic models to simulate impacts of dam breaches, **develop various project alternatives**, conduct **two public meetings**, perform geologic investigations (through a sub-consultant) develop multiple **cost estimates**, and **project management**.



SUPPLEMENTAL WATERSHED PLAN & ENVIRONMENTAL DOCUMENT
For
Upper West Fork Cypress Bayou No. 1, 2 & 3
Bossier Parish, Louisiana



Prepared By:
U.S. Department of Agriculture - Natural Resources Conservation Service

In Cooperation With:
Town of Plain Dealing

November 2022

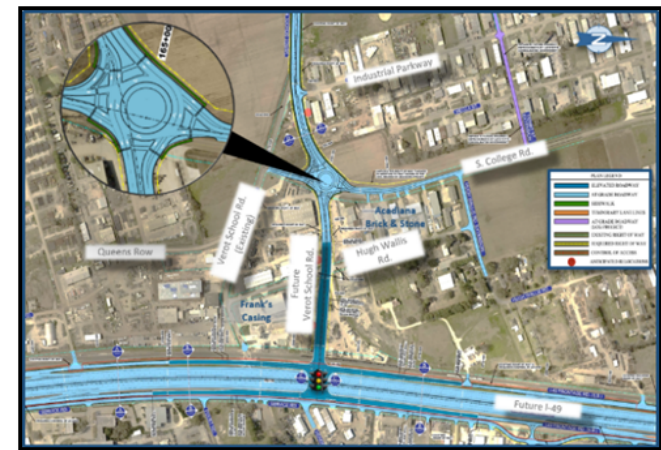
Staff to be used in this proposal:

Dax Douet, P.E. | Nick Castille, EI | Christopher Guidry | Coy LeBlanc, M.S., PWS | Mark Dubroc, P.E.

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|---|--|---|--|
| Firm name | C. H. Fenstermaker & Associates, L.L.C. | Past Performance Evaluation Discipline(s)* | Road |
| Project name | I-49 South at Verot School Road (LA 339) Interchange | | Firm responsibility (prime or sub?) Sub |
| Project number | SPN: H.011235.5 | Owner's name | Louisiana Department of Transportation and Development |
| Project location | Lafayette Parish, LA | Owner's Project Manager | Corey Landry, P.E. |
| Owner's address, phone, email | 1201 Capitol Access Road, Baton Rouge, LA 70802, (225) 379-1889, corey.landry@la.gov | | |
| Services commenced by this firm (mm/yy) | 01/17 | Total consultant contract cost (\$1,000's) | \$663.95 |
| Services completed by this firm (mm/yy) | ongoing | Cost of consultant services provided by this firm (\$1,000's) | \$658.19 |

I-49 South at Verot School Rd. (LA 339) is part of the upgrade of US 90 through Lafayette Parish to full controlled access facility meeting interstate highway design standards as a section of Future I-49. Fenstermaker, as a sub-consultant to Huval & Associates, was selected to **perform engineering design services** for improvements to the existing intersection of U.S. Hwy 90 (US 90) (Future I-49 South) and Verot School Road which will provide for a new access controlled interchange consisting of a re-alignment for the Verot School Road approach to Future I-49 South with a bridge structure over the existing BNSF railroad and mainline of Future I-49 just north of the existing Verot School Road alignment. Fenstermaker was primarily responsible for the **preparation and hosting of the project's public meeting** as part of the updating of the existing **NEPA Environmental Impact Statement** previously prepared in 2005 and was responsible for all roadway and drainage design for the project.

Fenstermaker is currently directly **responsible for the full roadway design of Verot School Road** which will consist of a multi-lane boulevard roadway section commencing near Pinhook Road (LA 182) to US 90. This section of road consists of a multilane roundabout at the intersection of S. College and the new alignment of Verot School Road. In addition, Fenstermaker is responsible for the full roadway design of the new US 90 (Future I-49) service roads commencing near Garber Road to the Lafayette Regional Airport. Lastly, Fenstermaker is directly responsible for the design of all sub-surface drainage systems for the project in accordance with LADOTD requirements.



KEY FEATURES

Line and Grade Study

Hydrology & Hydraulics / Drainage Design

Public Involvement / Public Meeting

Preliminary and Final Roadway Plans

Construction Cost Estimates

Roundabout Design

Quality Control / Quality Assurance

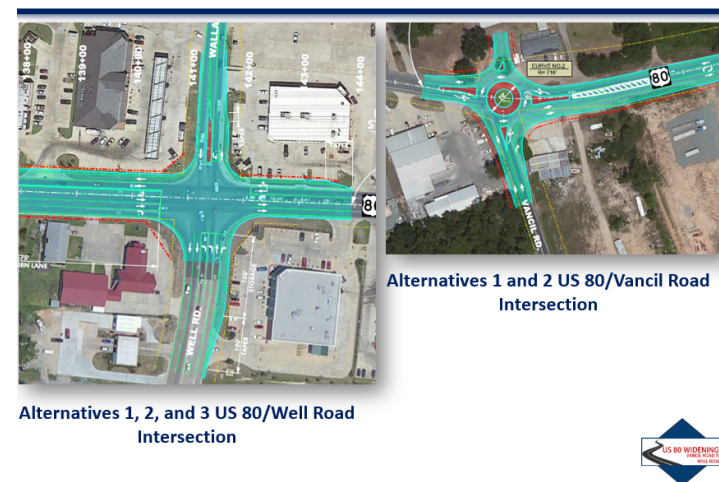
Staff to be used in this proposal:

Raymond Reaux, P.E. | Dax Douet, P.E. | Aimee Latiolais, P.E.

| | | | | | |
|---|--|---|--|-------------------------------------|-------------------------------|
| Firm name | C. H. Fenstermaker & Associates, L.L.C. | | Past Performance Evaluation Discipline(s)* | | Road, Environmental, Planning |
| Project name | US 80 Widening Vancil Road to Well Road Environmental Assessment | | | Firm responsibility (prime or sub?) | Prime |
| Project number | SPN: H.009932 | Owner's name | Louisiana Department of Transportation and Development | | |
| Project location | Ouachita Parish, LA | | Owner's Project Manager | Christina Brignac, P.E. | |
| Owner's address, phone, email | 1201 Capitol Access Road, Baton Rouge, LA 70802, (225) 379-1889, @la.gov | | | | |
| Services commenced by this firm (mm/yy) | 05/17 | Total consultant contract cost (\$1,000's) | | | \$742.53 |
| Services completed by this firm (mm/yy) | ongoing | Cost of consultant services provided by this firm (\$1,000's) | | | \$359.75 |

Fenstermaker served as the prime consultant responsible for the **Environmental Assessment (EA)**, including the **planning, public outreach, and engineering and environmental services** needed for LADOTD and FHWA to reach an environmental decision for the proposed widening of US 80 in Ouachita Parish. The widening project will span approximately 1.4-miles. This roadway experiences very high directional volumes during the daily morning and evening commute times; high-turnover commercial properties and residential neighborhoods; and higher crash rates when compared to state averages. Fenstermaker provided all services to conduct the appropriate **technical studies, traffic studies, line and grade study, air & noise, cultural resources, wetland delineations**, and other studies to provide an EA. Three alternatives plus the No-Build were evaluated for this corridor to determine impacts to social, human, natural, and environmental factors.


INTERSECTION IMPROVEMENTS



| | | |
|---|---|--|
| ENVIRONMENTAL -Analysis, evaluation, & documentation of proposed project alternative alignments & impacts -Wetland Delineation and T&E Species | TRANSPORTATION -Existing & No-Build, Safety, and Alternatives Analysis -Line & Grade Study -Analyzed 3 Alternatives (Roadway, Traffic, Drainage, ROW, Utilities, Intersection Improvements) | PROJECT MANAGEMENT -Prime consultant, managing a team of 6 subconsultants -QC of all work produced by subconsultants AGENCY/PUBLIC OUTREACH -Solicitation of views, public participation plan, |
|---|---|--|

Staff to be used in this proposal:

Raymond Reaux, P.E. | Dax Douet, P.E. | Aimee Latiolais, P.E. | Christopher Guidry | Coy LeBlanc, M.S., PWS | Joey Runner, PWS | Todd McLeod, M.A., RPA | Mark Rees, Ph.D., RPA

| | | | | |
|---|--|---|---|--|
| Firm name |  | | Past Performance Evaluation Discipline(s)* | Planning, Environmental, Traffic, Road, Bridge |
| Project name | US 11 Environmental Assessment | | Firm responsibility (prime or sub?) | Prime |
| Project number | H.000688.2 | Owner's name | Louisiana Department of Transportation and Development (LADOTD) | |
| Project location | St. Tammany Parish, LA | | Owner's Project Manager | Nicholas Olivier, PE |
| Owner's address, phone, email | 1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1133, nicholas.olivier@la.gov | | | |
| Services commenced by this firm (mm/yy) | 04/13 | Total consultant contract cost (\$1,000's) | | \$768 |
| Services completed by this firm (mm/yy) | Ongoing | Cost of consultant services provided by this firm (\$1,000's) | | \$716 |

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

Firm's Role: LADOTD contracted Arcadis and its sub-consultants to prepare an *Environmental Assessment* for the replacement of an historic railroad overpass and the upgrade of the existing undivided highway to a four-lane superstreet in Slidell, LA. The project goal was to promote mobility and safety along the corridor.

Firm Members Involved: Akhil Chauhan, Thomas Montz, Ari Deitch, David Fulks

Planning and Environmental: Arcadis completed *technical studies* to support the Environmental Assessment including wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation, floodplain management, and secondary and cumulative effects analysis. Additional studies and coordination completed for the project include a Phase I Cultural Resource Survey and Reporting and Public Involvement involving public information meetings and a public hearing for the Environmental Assessment. The results of technical studies and public involvement were summarized in the Environmental Assessment to support a Finding of No Significant Impacts (FONSI).

Traffic and Safety Improvements: Five existing intersections were reconfigured as either Restricted Crossing U-turn (RCUT) intersections or as median U-turn (MUT) intersections to eliminate side street left turns. The corridor was designed for WB-67 vehicles requiring that several loons and truck aprons be provided at U-turns. Vertical geometrics were designed for the main corridor as well as all side streets and a *3D design model was developed* to verify that construction limits were accurate, and that low ground clearance at railroad crossings was avoided.

Preliminary Roadway and Bridge Design: Arcadis performed all engineering services including *roadway and bridge line and grade and geometric design*, railroad track, ballast, and maintenance road design to evaluate clearance requirements with future planned rail additions, 3D design modeling of existing terrain, railroad full-build condition, and bridge and *roadway typical sections and geometric layouts for improvements*. Design drawings were used to accurately determine earthwork, construction limits, required right-of-way, and *construction cost estimates*.

Context Sensitive Design: The design includes *ADA compliant curb ramps and crosswalks* to incorporate the existing sidewalks and *accommodate pedestrian traffic*. Sufficient space was included within the roadway border for the future installation, by the City of Slidell, of a *multi-use path to accommodate bicyclists*. Finally, access to existing businesses was carefully balanced within the requirements of the *LADOTD Access Management Policy*.

Relevant Services

- Data Collection
- Traffic and Safety Analysis
- Alternative Screening
- Preliminary Roadway and Bridge Design
- Line and Grade
- Environmental Assessment
- Construction Cost Estimates
- Public Involvement
- Agency Coordination/Stakeholder Outreach

| | | | | |
|---|---|---|---|--------------------------------------|
| Firm name | ARCADIS | | Past Performance Evaluation Discipline(s)* | Road, Bridge, Environmental, Traffic |
| Project name | I-49 SEIS Richoc to Berwick | | Firm responsibility (prime or sub?) | Prime |
| Project number | H.011328 | Owner's name | Louisiana Department of Transportation and Development (LADOTD) | |
| Project location | St. Mary Parish, Louisiana | | Owner's Project Manager | Corey Landry |
| Owner's address, phone, email | 1201 Capitol Access Rd., Room 201E, Baton Rouge, Louisiana 70802, 225 379 1889, corey.landry@la.gov | | | |
| Services commenced by this firm (mm/yy) | 02/17 | Total consultant contract cost (\$1,000's) | | \$2,593 |
| Services completed by this firm (mm/yy) | Ongoing | Cost of consultant services provided by this firm (\$1,000's) | | \$2,080 |

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

Firm's Role: Conceptual design, Alternatives development for National Environmental Policy Act (NEPA) compliance, Bridge and road line and grade analysis, wetland analysis, Socioeconomic/Environmental Justice, Visual imagery, Air and noise analysis/modeling; Phase I Environmental Site Assessments (ESA), Stakeholder/public outreach, Agency Coordination.

Firm Members Involved: Akhil Chauhan, Ari Deitch, David Fulks, Jason Morrell

Arcadis is preparing a Supplemental Environmental Impact Study (SEIS) for LADOTD along a 10-mile segment of Future I-49 South between Richoc and Berwick in St. Mary Parish. Previously, an Engineering Information Systems with Record of Decision (ROD) was completed for this section of future I-49. The scope of the SEIS is to investigate other alternatives which will facilitate a more feasible and cost-effective solution for upgrading this section of roadway to interstate standards.

Arcadis is currently evaluating alternatives within the Traffic Analysis phase of the project. This work has included geometric design, alternative evaluation, assessment of existing conditions, and evaluation of potential impacts of the alternatives being evaluated, in regard to such items as Right of Way, Social economic, Access Management, Local Connectivity, Railroad, Built

Relevant Services

- NEPA SEIS Environmental Documentation
- Wetlands and Other Waters Survey and Delineation
- Threatened and Endangered Species
- Permits Evaluation
- Phase I ESA
- Tier 1 and 2 Traffic Analysis
- Air and Noise Analysis
- Section 4(f) and 6(f)
- Public and Stakeholder Outreach/Meetings
- Agency Coordination
- Line and Grade Evaluation / Conceptual Design
- Cost Analysis



Figure 5: Potential Environmental Impacts (Wetlands and Prime Farmland).
Note: Developed Parcels not considered Prime Farmland

environment, construction costs and others, as needed to fully determine the initial feasibility of alternatives being evaluated. Following the completion of the traffic phase, Arcadis will proceed into a full Line and Grade/Conceptual design and Environmental Evaluation of the identified alternatives, including public, stakeholder, officials, and agency coordination/outreach.

Arcadis services for this contract include Line and Grade Study, Conceptual Design, Alternatives Screening Analysis, Tier 1/Tier 2 Traffic Analysis, Air and Noise Analysis, Highway Safety Manual Analysis, NEPA Environmental Evaluation, Land Use/Social economics/Community Impacts, Phase I ESA, Public and Stakeholder Outreach/Meetings, Agency Coordination, Scope and Budget Development and Cost Analysis.

| | | | | | |
|---|--|---|---|--|------------------------------|
| Firm name | ARCADIS | | | Past Performance Evaluation Discipline(s)* | Planning, Traffic, Env, Road |
| Project name | Pete's Highway Interchange Alternatives and Environmental Assessment | | | Firm responsibility (prime or sub?) | Prime |
| Project number | H.002397.2 | Owner's name | Louisiana Department of Transportation and Development (LADOTD) | | |
| Project location | Livingston Parish, LA | | Owner's Project Manager | Catherine Mastin | |
| Owner's address, phone, email | 1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1652, catherine.mastin@la.gov | | | | |
| Services commenced by this firm (mm/yy) | 01/14 | Total consultant contract cost (\$1,000's) | | | \$1,500 |
| Services completed by this firm (mm/yy) | Ongoing | Cost of consultant services provided by this firm (\$1,000's) | | | \$1,380 |

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

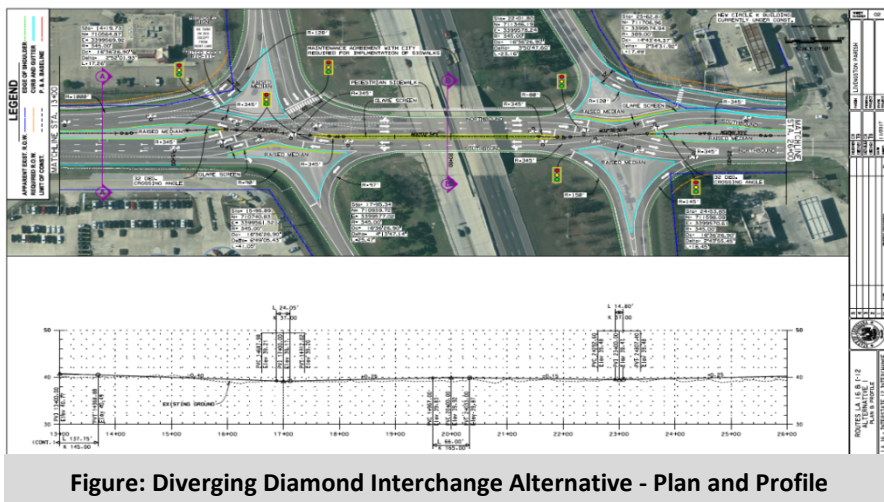
Firm's Role: High-priority funding allowed LADOTD to employ Arcadis to complete an **NEPA Environmental Assessment, Traffic Engineering, and Geometric Design Layouts**, including the establishment of apparent and required right-of-way, to improve congestion and operations.

Firm Members Involved: Akhil Chauhan, Thomas Montz, Ari Deitch, Justin Maderia, David Fulks, Jason Morrell

Alternatives Evaluation & Development: Preliminary alternatives retained from the Stage 0 feasibility study were refined and evaluated for constructability, temporary construction effects, construction costs, and permanent direct and indirect effects. Alternatives included two split diamond interchange options with roundabout, partial clover leaves, collector-distributor roads at Range Avenue and Pete's Highway (LA 16), and a diverging diamond interchange (DDI) at Range Avenue. Arcadis developed **geometric design drawings** for the DDI alternative including **line and grade** in accordance with LADOTD roadway and minimum design guidelines. Alternatives incorporated **context sensitive solutions** and complete streets policy through coordination with the LADOTD, parish, and planning organizations to include sidewalks and high visibility crosswalks.

Relevant Services

- Environmental Assessment
- Traffic Study/IMR
- Alternative Development/Screening
- Geometric Design Drawings
- Line and Grade
- Construction Cost Estimate
- Air and Noise Analysis
- Context Sensitive Solutions
- Public involvement/Stakeholder Outreach



Traffic Study & IMR: A traffic study was conducted to evaluate proposed alternatives. The traffic study scope included **data collection/analysis**, VISSIM model development and calibration, existing and future year scenario analysis, roundabout analysis, future volume projections, **alternative analysis**, proposed signing and striping layouts, and FHWA policy point/IMR documentation.

Planning & Environmental: Arcadis completed **technical studies** to support the Environmental Assessment including wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation, floodplain management, and secondary and cumulative effects analysis. Because of the complexity of the alternatives and high public profile of the project, Arcadis designed and coordinated a project website to facilitate ongoing dialogue with the community and provide information to the public. Arcadis **conducted public and stakeholder meetings** to obtain input and

satisfy federal requirements. Visual simulations of the complex traffic operations were used during the meetings along with displays of the alternatives and anticipated travel pattern changes.

| | | | |
|---|--|---|-----------------------|
| Firm name | The Lakvold Group, LLC | Past Performance Evaluation Discipline(s)* | Real Estate Appraiser |
| Project name | US 80 Widening: Vancil Road to Well Road | Firm responsibility (prime or sub?) | Sub |
| Project number | H.009932 | Owner's name | CSRS, Inc. |
| Project location | Ouachita Parish, Louisiana | Owner's Project Manager | Joe Earls |
| Owner's address, phone, email | 8555 United Plaza Boulevard, Baton Rouge, Louisiana; Phone 833-523-2526; joseph.earls@csrsinc.com | | |
| Services commenced by this firm (mm/yy) | 05/19 | Total consultant contract cost (\$1,000's) | Unknown |
| Services completed by this firm (mm/yy) | 08/19 | Cost of consultant services provided by this firm (\$1,000's) | \$7,200 |

Firm's Role: Completed Conceptual Stage Relocation Plan based on various alternatives. The plan included viewing the project area and researching the market area and real estate transactions and available real estate inventory.

Project Management and Final Transportation Study and Deliverables. These tasks included providing the completed document for review and inclusion in the Environmental Assessment.

Firm Members Involved: Angela Lemoine-Lakvold and support staff.

| | | | |
|---|--|---|-----------------------|
| Firm name | The Lakvold Group, LLC | Past Performance Evaluation Discipline(s)* | Real Estate Appraiser |
| Project name | Belle Chasse Bridge and Tunnel | Firm responsibility (prime or sub?) | Sub |
| Project number | H.0049791 | Owner's name | CSRS, Inc. |
| Project location | Jefferson Parish and Plaquemines Parish, Louisiana | Owner's Project Manager | Joe Earls |
| Owner's address, phone, email | 8555 United Plaza Boulevard, Baton Rouge, Louisiana; Phone 833-523-2526; joseph.earls@csrsinc.com | | |
| Services commenced by this firm (mm/yy) | 11/20 | Total consultant contract cost (\$1,000's) | Unknown |
| Services completed by this firm (mm/yy) | 03/22 | Cost of consultant services provided by this firm (\$1,000's) | \$120,000 |

Firm's Role: Complete appraisals for the acquisition of the right-of-way for the construction of the project.

Project Management and Final Transportation Study and Deliverables. These tasks included meeting with property owners, cost consultants, and project managers. Analysis and research of the real estate market and completion of individual appraisals on the various parcels.

Firm Members Involved: Angela Lemoine-Lakvold and support staff.

| | | | |
|---|--|---|-----------------------|
| Firm name | The Lakvold Group, LLC | Past Performance Evaluation Discipline(s)* | Real Estate Appraiser |
| Project name | Interstate 10 – Loyola Interchange Improvements | Firm responsibility (prime or sub?) | Sub |
| Project number | H.011670 | Owner's name | CSRS, Inc. |
| Project location | Jefferson Parish, Louisiana | Owner's Project Manager | Joe Earls |
| Owner's address, phone, email | 8555 United Plaza Boulevard, Baton Rouge, Louisiana; Phone 833-523-2526; joseph.earls@csrsinc.com | | |
| Services commenced by this firm (mm/yy) | 01/18 | Total consultant contract cost (\$1,000's) | Unknown |
| Services completed by this firm (mm/yy) | 08/19 | Cost of consultant services provided by this firm (\$1,000's) | \$17,400 |

Firm's Role: Completed Conceptual Stage Relocation Plan based on various alternatives. The plan included viewing the project area and researching the market area and real estate transactions and available real estate inventory.

Project Management and Final Transportation Study and Deliverables. These tasks included providing the completed document for review and inclusion in the Environmental Assessment.

Firm Members Involved: Angela Lemoine-Lakvold and support staff.

| | | | | | | | |
|---|--|--|--------------|---|-------------------------------------|------------------|-------|
| Firm name | Civil Design & Construction, Inc. | | | Past Performance Evaluation Discipline(s)* | | Survey | |
| Project name | I-10 TX State Line East of Coone Gully | | | | Firm responsibility (prime or sub?) | | Sub |
| >Project number | H.003184.5 | | Owner's name | LADOTD / Stanley Ard, PLS | | | |
| Project location | Calcasieu Parish, LA | | | Owner's Project Manager | | Stanley Ard, PLS | |
| Owner's address, phone, email | | 1201 Capital Access Rd., Baton Rouge, LA70802/225-379-1232/St Stanley.ard@la.gov | | | | | |
| Services commenced by this firm (mm/yy) | | | 10/15 | Total consultant contract cost (\$1,000's) | | | N/A |
| Services completed by this firm (mm/yy) | | | 12/18 | Cost of consultant services provided by this firm (\$1,000's) | | | \$443 |

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Project Description: This was a 6-lane widening project on I-10 in Calcasieu Parish. The project limits extended from the foot of the Sabine River Bridge (approximately 0.5 miles east of the state line) to a point approximately 2000 feet east of the beginning of the existing 6-lane section (located East of Coone Gully). The survey width of the project was from apparent right of way to apparent right of way and 500 feet past the gore along each of the on and exit ramps.

- In 2018, CD&C was supplemented to extend the original limits of this survey approximately 1500' and to pick up several other areas of additional topographic updates.

CD&C's Role: CD&C performed a complete topographic survey in accordance with the Location and Survey Manual and all current accepted Location and Survey Automation Procedures for this project. A topographic survey was already completed at all bridge sites located within the limits. The survey included all utilities with depths and information, all drainage structures, and all survey DTM and improvement features that fell inside the survey limits. Due to traffic concerns **3D Terrestrial Scanning was utilized for the location of roadways and traditional means and methods were used to complete the topographic survey on this project.** The final submittal of the survey was a combination of the supplied data from LADOTD for the bridges with the current survey that was completed for this project. **Members Involved:** CD&C employees involved in the project included Karla E. Weston, P.E.; Ralph Burgess, PLS, Survey Manager; Chris Ballard, PLS Survey Project Manager; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D Scanning Technician; John Ewing, Survey Technician, Scott Benton, 3D Scanning Technician.

Performed in LA: 100%



| | | | | | | | |
|---|---------------------------------------|--|--------------|---|-------------------------------------|--------------|-------|
| Firm name | Civil Design & Construction, Inc. | | | Past Performance Evaluation Discipline(s)* | | Survey | |
| Project name | Southern University Ravine Protection | | | | Firm responsibility (prime or sub?) | | Sub |
| Project number | H.014747 | | Owner's name | LADOTD | | | |
| Project location | East Baton Rouge, LA | | | Owner's Project Manager | | Corey Landry | |
| Owner's address, phone, email | | 1201 Capital Access Rd, Baton Rouge, LA 70802 / 225-379-1232 / Nicholas.olivier@la.gov | | | | | |
| Services commenced by this firm (mm/yy) | | | 09/21 | Total consultant contract cost (\$1,000's) | | | N/A |
| Services completed by this firm (mm/yy) | | | 03/22 | Cost of consultant services provided by this firm (\$1,000's) | | | \$187 |

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Project Description: A full topographic survey of the areas as depicted in the Southern University Planning Assistance to States Ravine and Riverbank Instability Technical Assessment, dated 2020 was required for this stabilization project. The topographic survey was to provide sufficient cross sections of the ravine from the existing F Street Project improvements to the discharge at the Mississippi River, being the projection of the Scott's Bluff to the Millennium Apartments, to fully develop the shape and location of the ravine, high banks, deposits, and scour locations. In some locations, the high bank is defined by retaining walls or other installed features. Any improvements, buildings, parking lots, -utilities within 100' of the top bank of the Ravine shall be included in the topographic survey. In the area of the ROTC building, as defined by Project 2, Terrestrial scanning of the wall to help determine the current deformation of the wall will be utilized to help determine the stability of the wall. LA One Call and Coordination with Southern University Facility Manager will be completed to locate all utilities along, over, and through the Ravine



CD&C's Role: CD&C as a sub-consultant on this project was responsible for topographic surveying of the areas required as well as coordination and incorporation of all utility data obtained by both CD&C and by SUE sub-consultant TBS.

Members Involved: Karla E. Weston, P.E.; Ralph Burgess, PLS, Christopher Ballard, PLS; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D scanning Tech; Scott Benton, 3D Scanning Tech; Madison Mills, PLS, Survey Tech; Jason Stoehr, Party Chief; Alex Wells, Party Chief; Drennon Humphreys, Instrument Man.

Performed in LA: 100%

| | | | | |
|---|--|---|--|-------------------------------|
| Firm name | Civil Design & Construction, Inc. | | Past Performance Evaluation Discipline(s)* | Survey |
| Project name | Verot School Road | | Firm responsibility (prime or sub?) | Sub |
| Project number | H.011235 | Owner's name | LADOTD | |
| Project location | Lafayette, LA | | Owner's Project Manager | Thomas Gattle (Huval & Assoc. |
| Owner's address, phone, email | 922 W. Point Des Mouton Rd., Lafayette, LA 70507/337-234-3798/tgattle@huvalassoc.com | | | |
| Services commenced by this firm (mm/yy) | 08/16 | 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) | | \$435 |

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Project Description: This project is located in Lafayette Parish between Lafayette Regional Airport and Broussard, LA. The project is for the proposed widening of US 90/I-49 South and realignment of Verot School Road. A topographic survey was performed along the entire proposed route as well as an existing drainage map. This included a complete topographic survey of all utilities with depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits. Also, CD&C was required to coordinate with the topographic survey of the adjacent I-49 Connector project and include required portions of the I-49 Connector project with the survey of this project.

CD&C's Role: CD&C performed a complete topographic survey of the project site by using **3D Terrestrial Scanning in conjunction with traditional means to complete the survey. Control was set for the scanning throughout the project limits.** Coordination with Cardno, Inc. (Team member) was necessary for the location of all utilities in the project area. CD&C also coordinated with all the property owners for access to the properties and also meet with safety advisors for the industrial business that were impacted. The survey included coordination with the ongoing I-49 Connector project and merging of that survey to the CD&C survey in order to make a complete project for the area. CD&C also researched and compiled an existing right of way linework for the prime consultant to use for exhibits for the project. In order to complete the survey CD&C also had to coordinate with BNSF railroad for access to BNSF's rail.

Members Involved: Karla Weston, PE; Ralph Burgess, PLS Survey Manager; Christopher Ballard, PLS Survey PM; John Ewing, Survey Tech; Trent Norris, 3D Scan Tech; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief **Performed 100% LA**



SECTION 18



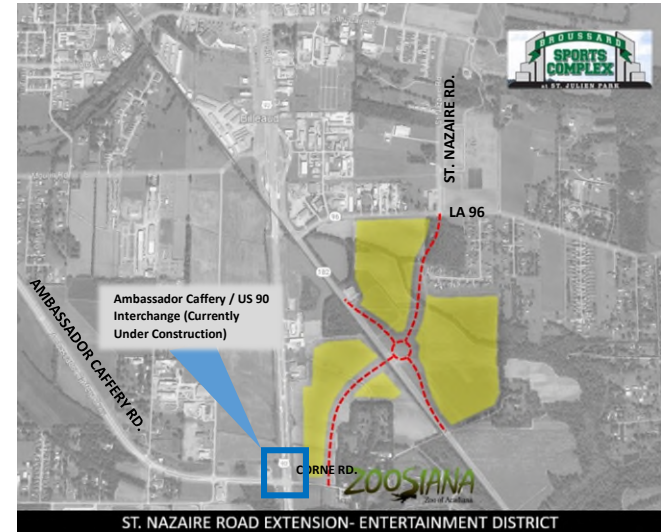
18. Approach and Methodology:

UNDERSTANDING OF EXISTING CONDITIONS

Fenstermaker is intimately familiar with the project study area. Located approximately **7 miles from our home office**, the project study area is routinely traveled by many of the project's key team members. **Dax Douet, P.E.** (Project Manager assigned to this project) has been closely monitoring the development of this project as he routinely interacts with key local stakeholders such as Mayor Ray Bourque of the City of Broussard, the Acadiana Planning Commission, and the Lafayette Consolidated Government. The historical development of this project concept has been rooted in relieving **traffic congestion** at the intersection of LA 96/LA 182 as well as a long-term desire by the City of Broussard to develop an **entertainment district** within the project study area being bounded by two significant economic drivers of the area, namely the Broussard Sports Complex and Zoosiana (formerly known as the Zoo of Acadiana) (See graphic).

St. Nazaire Road is a 2-lane undivided major urban collector roadway locally owned and maintained by the City of Broussard. The typical section of this roadway consists of 2-11' travel lanes and 4' shoulders. St. Nazaire Road is one of the primary commercial corridors of the southeastern portions of Lafayette Parish servicing the Broussard Sports Complex, big box stores like Wal-Mart and Home Depot, numerous fast-food restaurants, residential apartments, energy sector service companies, and "strip mall" type commercial developments. St. Nazaire Road has a moderate amount of current average daily traffic (ADT) of 3,900 vehicles and a predicted ADT in the next 20 years of approximately 6,000. LA 96 is a 2-lane undivided minor rural arterial that connects the cities of Broussard and St. Martinville, Louisiana. The typical section of this roadway consists of 2-11' travel lanes and 4' aggregate shoulders. Corne Road and Lakeview Drive are existing 2-lane undivided local streets. Both roads have a typical roadway section of 2-10' travel lanes with grass shoulders.

The conceptual extension corridor of St. Nazaire Road will cross both Coulee LaSalle (A) (Cypress) and the Burlington Northern Santa Fe Railway (BNSF). Adjacent and within the project study area, are various residential homes and Zoosiana. The proposed St. Nazaire Road extension will provide additional connectivity to LA 182 and the Ambassador Caffery Parkway at US 90 (future I-49) Interchange currently under construction. The economic drivers of the Sports Complex and businesses to the north, along with Zoosiana and connection to the future I-49 corridor will not only provide an alternative route for traveling motorist but also provide additional commercial development opportunities to the City of Broussard and Lafayette Parish. LA 182 is an arterial with anticipated growth immediately south of the subject corridor with an existing industrial park connection at Lake Talon Road and a large single-family residential subdivision expected to be built near LA 182 at Duchamp Road. Fenstermaker is currently designing an at-grade crossing at Lake Talon Road at LA 182 for St. Martin Parish located just 1-mile away from this project and is **in current coordination with BNSF personnel.** Fenstermaker also previously was the Prime Consultant of the US 90 Albertson's Parkway to Ambassador Caffer y Design-Build that terminates at LA 182. Working on this design build project for LADOTD **gives Fenstermaker a unique knowledge of the project area. We understand the project history and have the historical experience developing NEPA environmental assessments, both of which creates the firm of choice f or this project contract. Fenstermaker has also worked directly with key local stakeholders that would be associated with this project in the past as shown to the right.**



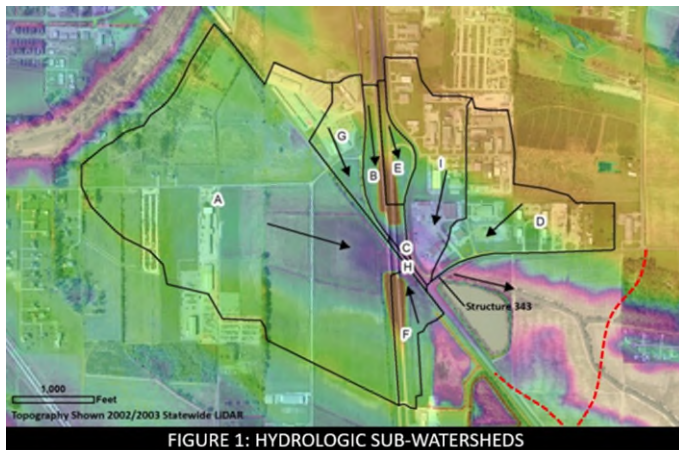
KEY STAKEHOLDERS

- City of Broussard
- LADOTD
- Lafayette Consolidated Government
- Acadiana Planning Commission
- Zoosiana
- Billeaud Planters, Inc
- St. Martin Parish
- Magnolia Ridge HOA
- Residential Homeowners
- IPT Global

PROJECT APPROACH

Part I: Line and Grade Study

In reviewing the previous Stage 0 developed for this project as well as understanding the history of this project along with LADOTD's Complete Street's criteria, St. Nazaire Road is anticipated to be a two-lane boulevard with bike lanes; however, this typical section will need to be validated through the traffic study findings.



The alignment presented in the Stage 0 will be considered when developing two (2) alignment alternatives to be evaluated as part of the scope of this project found in the RFQ. **Both alternatives chosen (outside of the no-build alternative) will seek to provide a solution that meets the project's purpose and need within the study area's logical termini.** The horizontal and vertical alignments for each developed alternative corridors will be in alignment with the current LADOTD Road Design Manual, Engineering Directives and Standards Manual (EDSM), Standard Plans, Complete Streets Policy, and Minimum Design Guidelines.

As part of the NEPA process, understanding the impacts to both the natural and human environment are key parts that make up an environmental document. Drainage, as an example, is one variable that during the line and grade efforts of this process will need to be understood in terms of impacts to the existing conveyance system and surrounding hydrology. **Fenstermaker understands the hydrology and hydraulics of the project area.** Back in 2012, Fenstermaker served as the Lead Design Firm for the I-49 Design-Build Team (State Project No. H.010620). In this capacity, Fenstermaker developed comprehensive HEC-HMS (hydrology) and HEC-RAS (hydraulics) models that included Coulee

LaSalle (A) (Cypress), which is the outfall of US 90 at LA 96. Coulee LaSalle will directly cross any alternative that is developed as part of the line and grade process for the extension of St. Nazaire between LA 96 and LA 182. **Figure 1** is an excerpt from Fenstermaker's analysis that illustrates the sub-watersheds upstream of Coulee LaSalle that would be used to guide the initial planning for this project relative to understanding the hydrology of the project area. **The Fenstermaker Team has determined that approximately 413 cubic feet per second (50-year, 24-hour storm) of water flows in this coulee** through the project study area. According to the Off-System Hydraulic Design Guidelines (as an example), a roadway crossing of this coulee would only need to be a box culvert structure in lieu of a bridge structure. This will result in **less construction costs** and **overall fill** needed to elevate the roadway over the coulee than if a bridge were required (as an example). This will also result in less right of way acquisition and less environmental impacts theoretically. This **upfront knowledge** by the Fenstermaker Team will aid our team in developing estimated construction costing of alternatives as part of the line and grade process.

Part II: Traffic Study

Based on current traffic conditions and the interchange at US 90/LA 182/Albertson's Parkway, St. Nazaire Road provides an alternate route around the interchange and the proposed project will provide access back to Corne Road/Ambassador Caffery Pkwy. Proper intersection design and control at LA 96 due to the extension across LA 182 will be crucial as not to cause operational issues along LA 182 as these areas are highly traversed by daily commuters and vehicles.

A look at the existing safety in the area from the last three years of approved crash data (2019-2021) shows that none of the intersections where traffic counts are to take place are currently High PSI intersections. The most common crash types at the intersections are shown to the right. Potential alternatives will look at potential solutions to correct these crash types.

The Fenstermaker Team plans to take an integrated, multi-disciplinary team data-driven approach to quantify and improve transportation and safety operations at existing intersections but also along the proposed St. Nazaire extension. This approach will enable us to embrace the ideas and philosophies enumerated in LADOTD Traffic Engineering Process and Report (TEPR) process. **The Fenstermaker Team is intimately familiar with TEPR guidelines and requirements.** This familiarity will aid in mitigating common causes of delay with traffic studies and will streamline analysis tasks and reviews for traffic deliverables. In accordance with the TEPR, we will first gather technical data on the study area along St. Nazaire, LA 96, LA 182, US 90, and Ambassador Caffery Parkway. This data will include operational characteristics, safety performance, traffic data, and traffic congestion. The Fenstermaker Team will contract a data collection firm to collect traffic counts and speed data and will

CRASH TYPES

- LA 96 at LA 182
REAR END
- LA 96 at St. Nazaire Road
RIGHT ANGLE
- LA 182 at Lakeview
REAR END / LEFT
TURN/SIDE SWIPE
- US 90 at Corne Road &
Ambassador Caffrey
Parkway
REAR END

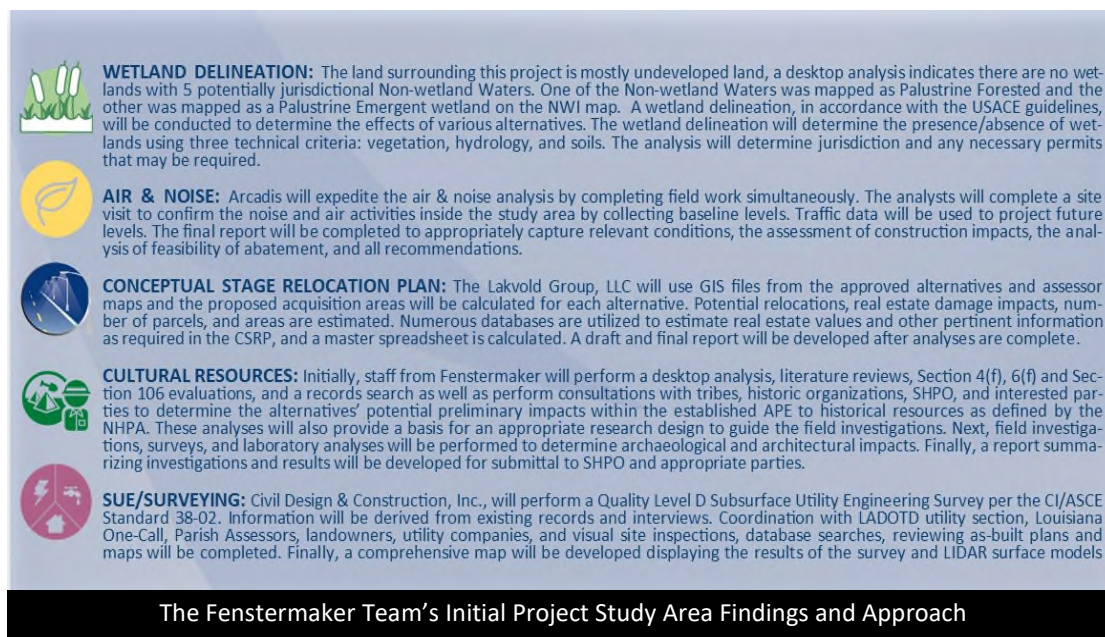


ensure counts are taken at approved locations and in strict adherence to TEPR requirements concerning data collection time frames. The Fenstermaker Team has the experience to process and analyze the data utilizing a multi-period analysis approach in the Highway Capacity Software by McTrans. **Once the problems are identified and defined in the safety and traffic operations area, the Fenstermaker Team will apply the process and tools such as Tier 1, Tier 2, Tier 3, and Tier 4 analyses as recommended in the TEPR.** This process will require coordination with LADOTD to identify cost effective and practical solutions to alleviate the identified problems.

Part III: Environmental Evaluation

Illustrated to the left is the **Fenstermaker Team's NEPA Approach** that proposes to break the project down into four (4) primary phases which follows LADOTD's NEPA process. Upon initiation of the contract and a kickoff meeting, a data collection plan and Public Involvement Plan (PIP) will be developed. Once these documents are approved, traffic data collection tasks and early public and agency coordination will begin. Early public and agency coordination includes developing a preliminary purpose and need, solicitation of views, development of project logical termini, development of stakeholder lists, right-of-entry agreements, and an agency scoping meeting.

Following the Alternatives Analysis and any refinement of the purpose & need statement, technical studies will begin. The air and noise study can begin initial baseline field work following the completion of the Existing and No-Build Traffic Analysis to determine existing noise and air levels.



All other technical studies including wetland delineation, 4(f) and 6(f), threatened and endangered species, SUE, Phase I environmental site assessment, cultural resources, conceptual stage relocation plan, and the remainder of the air and noise study will begin in concurrence (as possible to safe on time) with the development of the Alternatives Analysis Report, once the alternatives are finalized and the area of potential effect is identified. Following the completion of the conceptual stage relocation plan, the Line & Grade Study can be finalized. During the technical studies phase, other tasks such as GIS mapping, conceptual plans, PIP refinement, EA Report development, surface model development, and estimating will be ongoing.

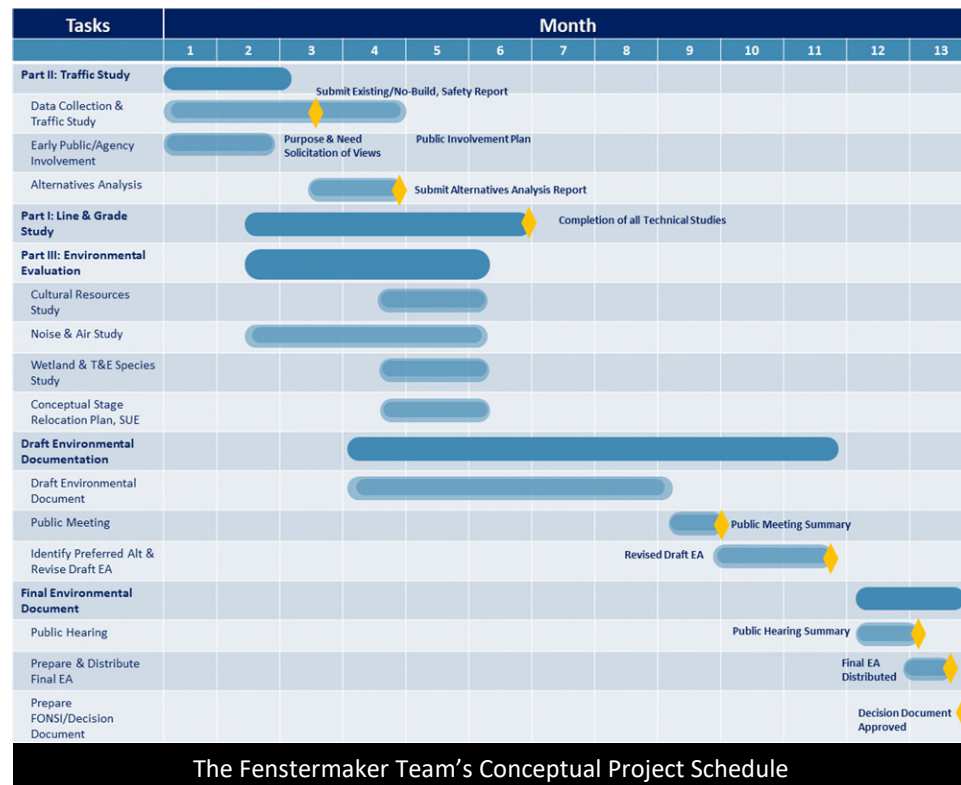
Technical analysis and reports can be completed concurrently to streamline this portion of the EA process. Situated in the middle of the EA process, these tasks typically take the majority of time to complete and contributes to delays; however, if completed simultaneously, delays can be reduced. These studies are displayed in the figure to the right. The figure on the next page displays a conceptual schedule that The Fenstermaker Team believes is applicable to the project.

In an effort to better understand the project study area in preparation of this approach and methodology, Fenstermaker team members visited the project study area in December of 2022. Preliminary observations suggest that there appears to be **no wetland findings** in the general study area with five potentially jurisdictional Non-wetland Waters. The wetland findings closely resembled the National Wetland Inventory (NWI) mapped wetlands of the area. One of the Non-wetland Waters was mapped as Palustrine Forested and the other was mapped as a Palustrine Emergent wetland on the NWI map. It is Fenstermaker's opinion that the two NWI mapped wetlands are Non-wetland Waters. The NRCS web soil survey shows the soils to be nonhydric throughout the project site with exception to the soils directly adjacent to the two larger Non-wetland Waters. There were no hydric soils observed during the field survey. **It is Fenstermaker's opinion that the site does not contain wetlands and there are five potentially jurisdictional Non-wetland Waters.** A jurisdictional determination request would have to be submitted to the US Army Corps of Engineers to get confirmation of Waters jurisdiction. Any impacts to wetland or Non-wetland Waters will require a Department of the Army Permit prior to construction activities. These efforts were an attempt to better understand the project challenges to help our Team understand the project.

KEY PROJECT INFLUENCERS

Fenstermaker has identified challenges (or things to consider) presented in this project, all of which have identified considerations for developing solutions which align with the goals of LADOTD and the purpose of this project. Team members from Fenstermaker have **physically walked the corridor and observed numerous utilities that are present.** Through the SUE conducted during the Design Build project previously stated, Fenstermaker became aware of a **major fiber optic line of national significance owned by Century Link Communications that parallels the BNSF Railway.** Through contact with Dave Carrio at Century Link, Fenstermaker was able to understand that this **line contains six (6) national servicing lines with government contracts** and is 5-6 feet deep. This line will need to be considered when placing any at-grade crossing with LA 182 and the BNSF railway. **Coordination and acceptance with the BNSF Railway will also be a key aspect of this project.** Fenstermaker understands the area at which the proposed crossing identified in the Stage 0 study is where the grade separation difference between the roadway and railroad is at its least. This will allow for a straightforward at-grade crossing. Fenstermaker's current communications with John Caufield (BNSF Manager of Public Projects for this area) and Jason Rose (Roadmaster), as well as current permitting requirements, will provide for an efficient coordination effort. The addition of a new intersection south of the existing LA 182 at LA 96 intersection will need to consider not only the railroad proximity, but also the proximity and configuration of existing intersections of LA 182 at LA 96 and LA 96 at St. Nazaire Road. Existing traffic patterns will influence the proposed intersection's geometric configuration. Lastly, Fenstermaker recognizes the existence of a residential home on LA 96 near its intersection with St. Nazaire Road. This home could be impacted by the extension. In Fenstermaker's site visit, it was observed that this home was elevated above ground on piers thereby making it easier to relocate should the project and landowner require.

CLOSING: The specific knowledge by the Fenstermaker Team and key personnel on this particular project, combined with our team's experience developing NEPA environmental documents, roadway design, public involvement, and understanding the key stakeholders in this area of the region, we believe makes our team the firm of choice for LADOTD. **We hope that we have provided ample evidence of our knowledge of the study area, and our strong desire to be selected for this project. Thank you for reviewing our qualifications for this RFQ response and we look forward to continuing our successful working relationship!**



SECTIONS 19 - 23



19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

- 1) one of the team's firms is responsible for the performance of the work;
- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.
List only the portion of the fees attributable to firms on the team.

| Firm(s) | Past Performance Evaluation Discipline(s) * | State project number | Project name | Remaining Unpaid Balance** |
|---|---|-------------------------|---|----------------------------|
| C. H. Fenstermaker & Associates, L.L.C. | Road | H.012869 | LA 182 (Univ) @ LA 723 (Renaud) Roundabout Lafayette Parish, LA | \$211,842 |
| | Road | H.011833.5 | St. Mary Street Sidewalks Lafayette Parish, LA | \$111,403 |
| | Planning | Contract No. 4400020960 | IDIQ Contracts for Discovery NFIP CTP Statewide | \$9,862 |
| | Other | H.015335 | Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 | \$50,000 |
| Arcadis U.S., Inc. (Arcadis) | CE&I/OV | H.011220.6-1 | I-10 CBD2 Carrollton-Lafitte Ave and Supplement Nos. 1 & 2 | \$151,998 |
| | CE&I/OV | H.013710.6 | I-10: US 61 to Laplace ITS Deployment | \$427,835 |
| | CE&I/OV | H.012018.6 | Adaptive Traffic Signal Design and Implementation | \$17,741 |
| | CE&I/OV | H.012901.6, H.010634.6 | US 90Z (Bodenger Blvd. – Stumpf Blvd.) | \$281,551 |
| | Traffic | H.011328.2 | I-49 South (Ricochoc to Berwick) | \$172,040 |
| | Traffic | H.012889.5 | I-20 Rehab (Pines Road to I-220) | \$80,568 |

| | | | | |
|-----------------------------------|---------------|------------------|--|-----------|
| | Traffic | H.003370 | I-220/I-20 Interchange IMP & BAFP Access Design Build | \$15,000 |
| | Traffic | H.004100.5 | I-10: LA 415 to Essen Lane on I-10 and I-12 | \$393,865 |
| | Traffic | H.005121 | LA 1/LA 415 Connector | \$105,842 |
| | Traffic | H.972419.1 | SHSP Update and Regional SHSP Marketing/Advertising Support | \$6,957 |
| | Traffic | H.013797 | LA 30: EBR PL – I-10 | \$442,095 |
| | Traffic | H.000413 | Cross Bayou Bridge Replacement | \$138,479 |
| | ITS | H.013868.5 | ITS Program Management and Operations (2022) | \$300,373 |
| | ITS | H.013868.6 (A) | ITS Routine Maintenance Engineering and Inspection (ME&I) (2022) | \$412,489 |
| | ITS | H.013868.6 (B) | ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I) (2022) | \$105,511 |
| | ITS | H.004100.5 | I-10: LA 415 to Essen Lane on I-10 and I-12 | \$152,463 |
| | Bridge | H.004100.5 | I-10: LA 415 to Essen Lane on I-10 and I-12 | \$724,203 |
| | Bridge | H.000413 | Cross Bayou Bridge Replacement | \$160,841 |
| | Road | H.011328.2 | I-49 South (Ricohoc to Berwick) | \$344,080 |
| | Road | H.010116.5 | LA 1088: Soult and Trinity Roundabouts | \$83,268 |
| | Environmental | H.009932 | US 80 Widening: Vancil Road to Well Road Environmental Assessment | \$5,343 |
| | Environmental | H.002397.2 | LA 16 (Pete's Hwy) Interstate 12 Interchange Route | \$20,109 |
| | Environmental | H.011328.2 | I-49 South (Ricohoc to Berwick) | \$807,263 |
| | Environmental | 4400019338 | Rural Bridge Replacement Initiative Phase II – Multiple State Project Numbers – Districts 02, 03 ,07, 61, and 62 | \$163,395 |
| The Lakvold Group, LLC | Appraisal | H.004100 | I-10: LA 415 to Essen on I-10 and I-12, East Baton Rouge | \$106,200 |
| | Appraisal | H.011670 | I-10/Loyola Interchange Improvements, Jefferson Parish | \$12,000 |
| Civil Design & Construction, Inc. | Surveying | 4400017091/ TO-3 | LWI Statewide Modeling R5 – Task Order #3 | \$167,063 |

(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. 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, place N/A in the Remaining Unpaid Balance column. LEAVING THE “REMAINING UNPAID BALANCE” COLUMN BLANK IS NOT ACCEPTABLE.

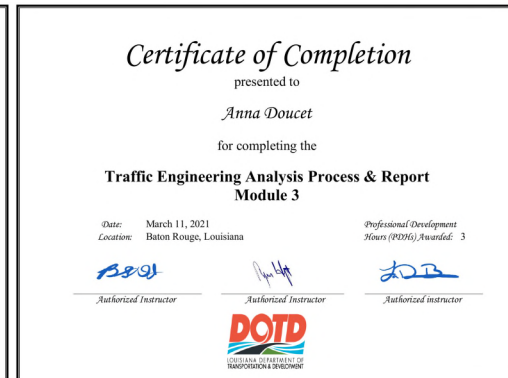
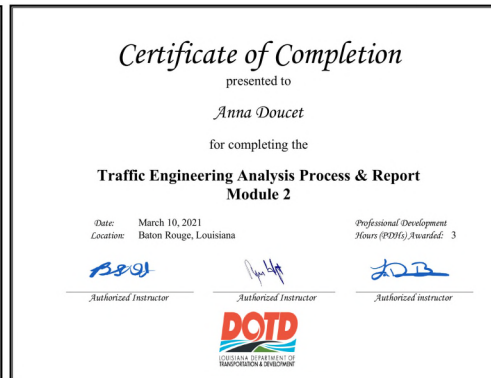
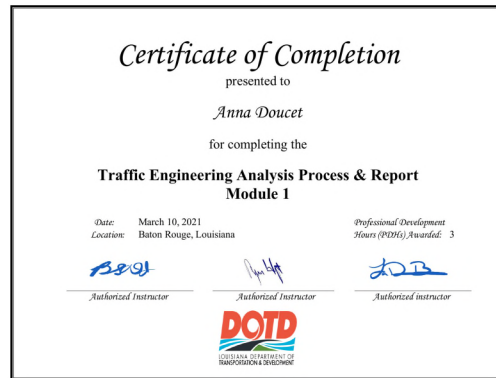
20. Certifications/Licenses:

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

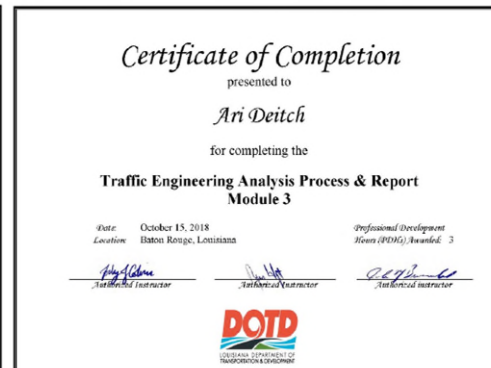
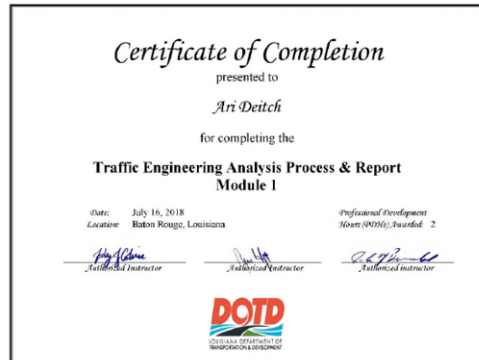


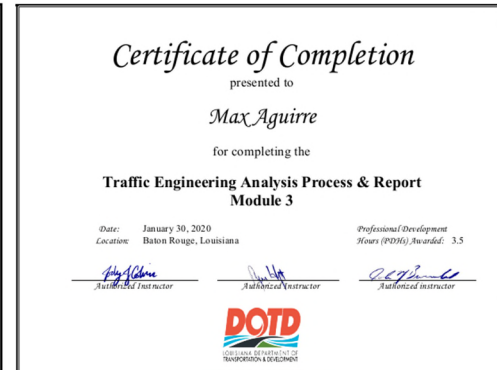
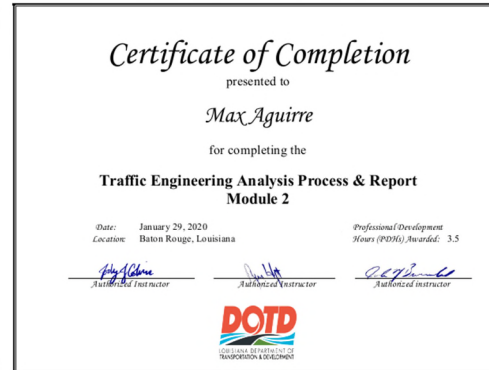
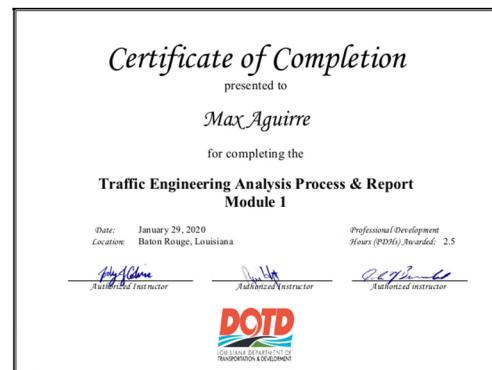
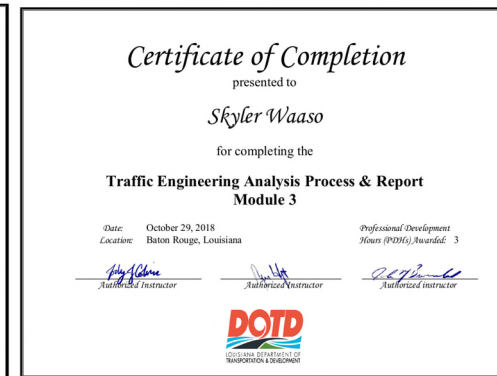
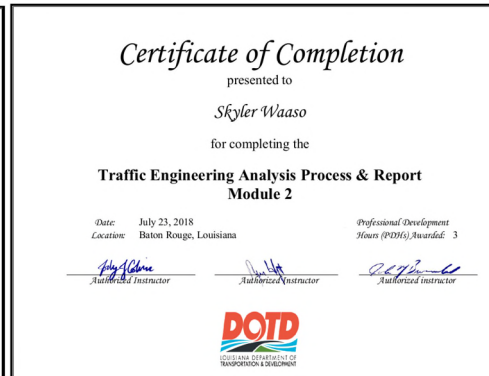
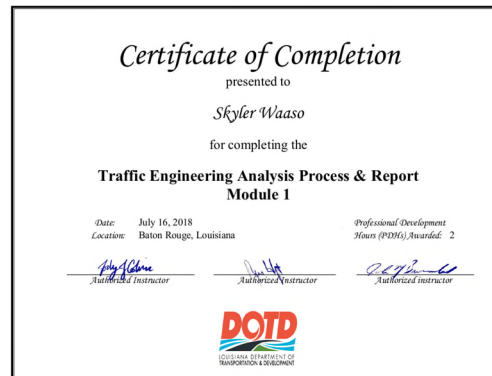
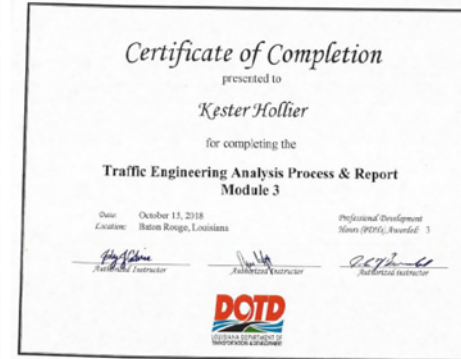
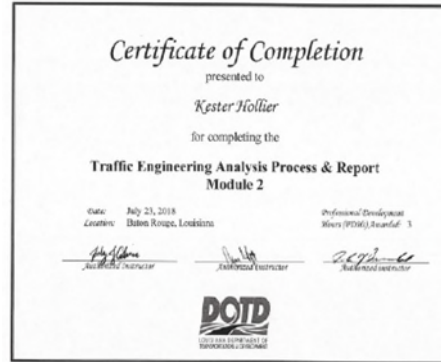
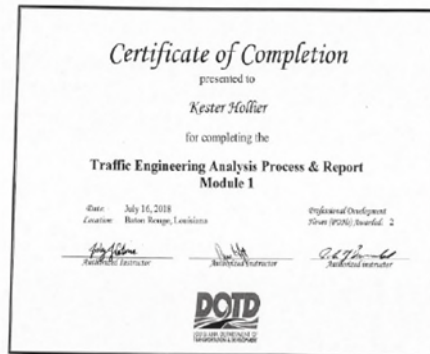
C. H. Fenstermaker & Associates, L.L.C. attaches the following certificates of assigned personnel.

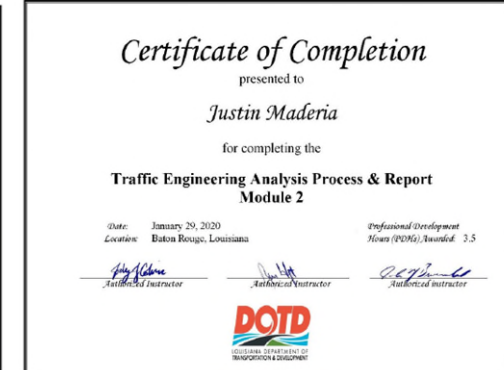
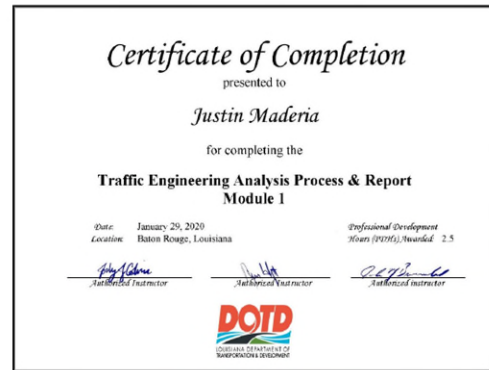
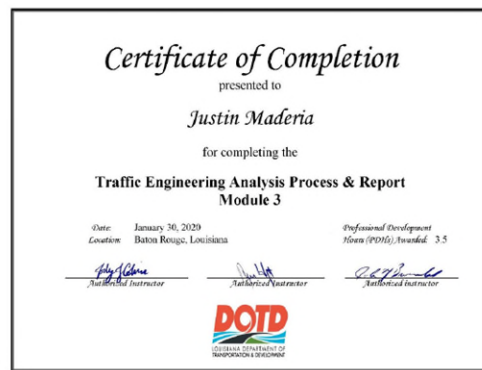
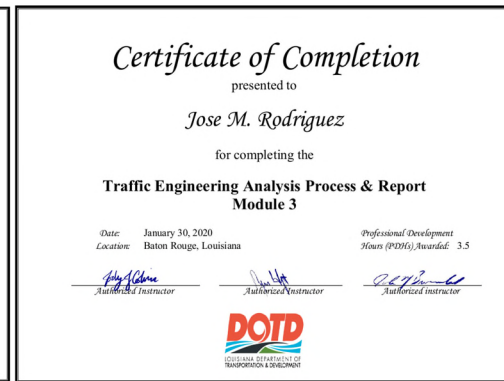
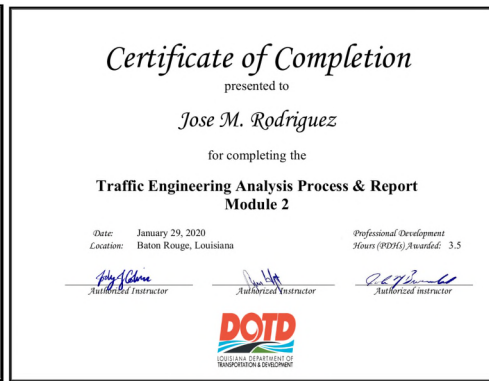
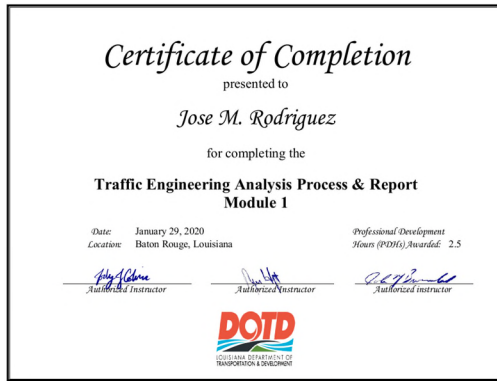
| | | |
|---|---|---|
| <p><i>Certificate of Completion</i> presented to Dax Douet for completing the Traffic Engineering Analysis Process & Report Module 1</p> <p>Date: October 1, 2018 Location: Baton Rouge, Louisiana Professional Development Hours (PDHs) Awarded: 2.5</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p>DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT</p> | <p><i>Certificate of Completion</i> presented to Dax Douet for completing the Traffic Engineering Analysis Process & Report Module 2</p> <p>Date: October 10, 2018 Location: Baton Rouge, Louisiana Professional Development Hours (PDHs) Awarded: 3.5</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p>DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT</p> | <p><i>Certificate of Completion</i> presented to Dax Douet for completing the Traffic Engineering Analysis Process & Report Module 3</p> <p>Date: January 15, 2019 Location: Baton Rouge, Louisiana Professional Development Hours (PDHs) Awarded: 3</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p>DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT</p> |
| <p><i>Certificate of Completion</i> presented to Aimee Latiolais for completing the Traffic Engineering Analysis Process & Report Module 1</p> <p>Date: October 7, 2020 Location: Baton Rouge, Louisiana Professional Development Hours (PDHs) Awarded: 2.5</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p>DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT</p> | <p><i>Certificate of Completion</i> presented to Aimee Latiolais for completing the Traffic Engineering Analysis Process & Report Module 2</p> <p>Date: October 7, 2020 Location: Baton Rouge, Louisiana Professional Development Hours (PDHs) Awarded: 3.5</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p>DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT</p> | <p><i>Certificate of Completion</i> presented to Aimee Latiolais for completing the Traffic Engineering Analysis Process & Report Module 3</p> <p>Date: October 8, 2020 Location: Baton Rouge, Louisiana Professional Development Hours (PDHs) Awarded: 3.5</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p><i>[Signature]</i> Authorized Instructor</p> <p>DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT</p> |



Arcadis attaches the following certificates of assigned personnel.







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.

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 (as registered with Louisiana's Secretary of State) | Address | Point of Contact and email address | Phone Number |
|--|---|---|---------------------|
| Arcadis U.S., Inc. | 10352 Plaza American Drive Baton Rouge, LA 70816 | Akhil Chauhan, P.E., PMP, PTOE, PTP akhil.chauhan@arcadis.com | 225-244-6589 |
| The Lakvold Group, LLC | 4520 Jamestown Avenue Suite 1 Baton Rouge, LA 70808 | Angela Lemoine-Lakvold, MBA, SRA, MAI, R/w-AC Angie@thelakvoldgroup.com | (225) 248-9984 |
| Civil Design & Construction, Inc. | 3251 Southern Pacific Rd. PO Box 857 Port Allen, LA 70767 | Karla E. Weston, PE kweston@cdcbr.com | (225) 765-1802 |

(Add rows as needed)

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.



C. H. Fenstermaker & Associates, L.L.C.