

IDIQ Contracts for Bridge Preservation Services Statewide, LA

**Contract Nos. 4400035420,
4400035421, and 4400035422**

Prepared by:
Stantec Consulting Services Inc.

Prepared for:
Louisiana Department of
Transportation and Development

June 30, 2026



**I-10/Loyola Interchange Design-Build Project
Stantec Project**



June 30, 2026

**IDIQ CONTRACTS FOR BRIDGE
PRESERVATION SERVICES**
Statewide

**Contract Nos. 4400035420,
4400035421 and 4400035422**

Submitted to:
**Louisiana Department of
Transportation and Development**
1201 Capitol Access Road
Baton Rouge, LA 70802

Submitted by:
Stantec Consulting Services Inc.
1200 Brickyard Lane, Suite 400
Baton Rouge, LA 70802



Contact Person:
Brian Johnson, PE
Project Manager
Mobile: (225) 936-5534
brian.johnson2@stantec.com

COVER LETTER

To the Project Evaluation Team:

Stantec is pleased to submit our proposal for the **LADOTD Bridge Preservation IDIQ Contracts (4400035420, 4400035421, 4400035422)**. We fully support the Department's commitment to extending the service life of Louisiana's bridges and are prepared to deliver high quality, policy aligned engineering services that meet LADOTD's expectations for accuracy, efficiency, and consistency.

Our approach is grounded in a strong working knowledge of LADOTD procedures, including the **Bridge Design and Evaluation Manual (BDEM), Bridge Design Technical Memorandums (BDTMs), Engineering Directives and Standards Manual (EDSM)**, and established task order workflows. With extensive experience across LADOTD retainer and IDIQ contracts over 20+ years, Stantec is well versed in scoping, coordination, QA/QC documentation, and communication protocols with Bridge Design, Bridge Maintenance, District staff, and Consultant Contracts Services. This familiarity allows us to mobilize quickly and complete assignments with minimal direction.

As **Project Manager**, I will serve as the primary point of contact. Over my 21 years with Stantec, I have managed five LADOTD retainer/IDIQ contracts and worked closely with LADOTD project managers and the bridge design section. These long standing relationships support clear communication, proactive issue resolution, and consistent delivery of high quality work.

Key strengths of our proposal include:

- A robust QA/QC framework aligned with LADOTD standards
- Structural engineers and preservation specialists with deep LADOTD experience
- Efficient task order execution processes that streamline delivery
- A commitment to responsiveness, transparency, and collaboration

Our team brings the depth and flexibility needed to meet varying task order demands. Our subconsultants are fully integrated into our team and have provided the applicable experience for the 24-102 form, and each firm has a strong record supporting LADOTD's bridge preservation program.

- Civil Design & Construction, Inc.
- ECM Consultants, LLC
- Forte and Tablada, Inc.
- GeoEngineers, Inc.
- Thompson Engineering, Inc.
- Wiss, Janney, Elstner Associates, Inc.

With our technical depth, Stantec is prepared to provide LADOTD with dependable performance and exceptional value across all bridge preservation task orders. Thank you for your consideration. We look forward to supporting the Department in advancing the safety and longevity of Louisiana's bridge network.

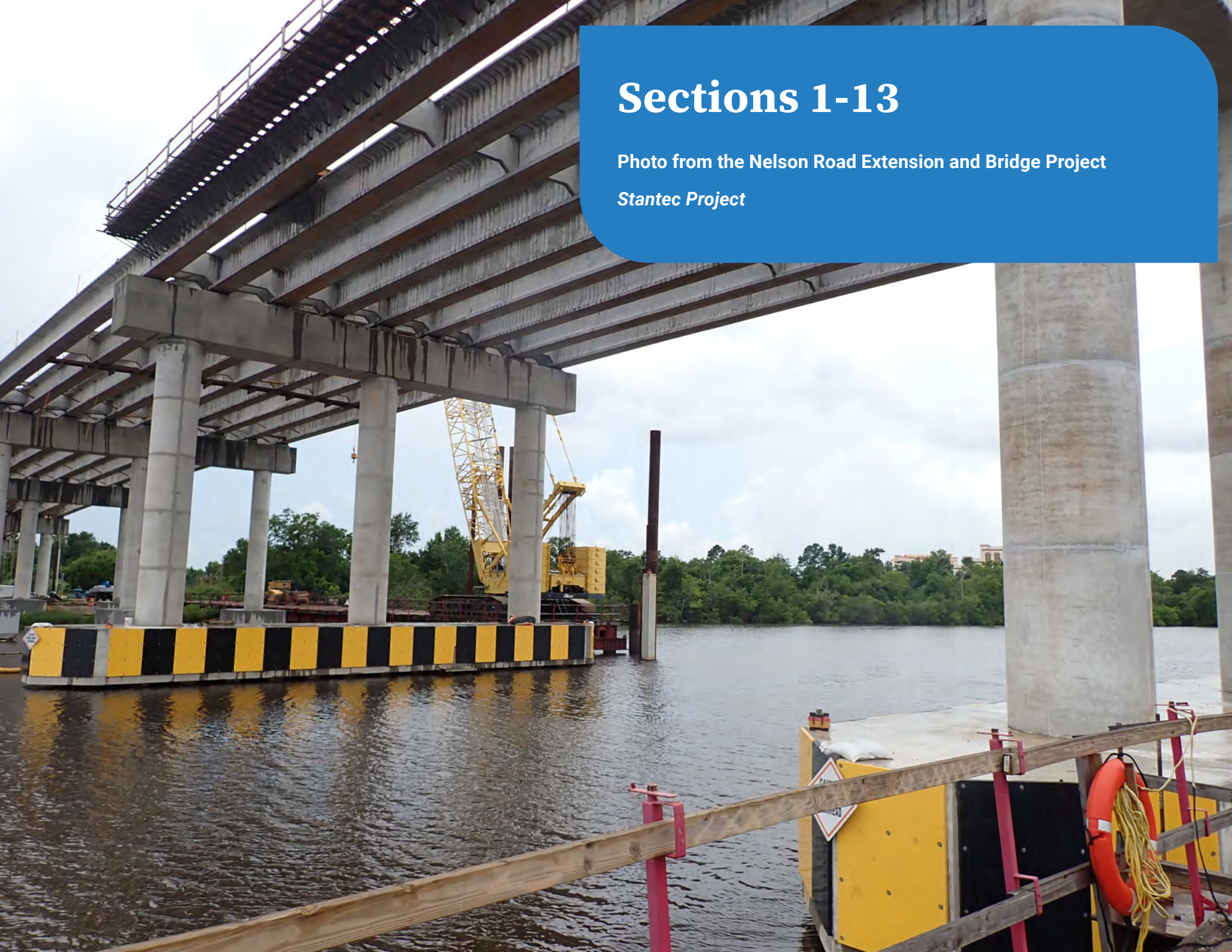
Sincerely,

Brian Johnson, PE, Project Manager
brian.johnson2@stantec.com | Office (225) 215-5130 | Mobile (225) 936-5534

Sections 1-13

Photo from the Nelson Road Extension and Bridge Project

Stantec Project



DOTD FORM: 24-102

(Revised August 11, 2025)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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.

1.	Contract title as shown in the advertisement.	IDIQ CONTRACTS FOR BRIDGE PRESERVATION SERVICES STATEWIDE
2.	Contract number(s) as shown in the advertisement	Nos. 4400035420, 4400035421, and 4400035422
3.	State Project Number(s), if shown in the advertisement	N/A
4.	Prime consultant name ((name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)	Stantec Consulting Services Inc. 
5.	Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0003506
6.	Prime consultant mailing address	1200 Brickyard Lane Suite 400, Baton Rouge, LA 70802
7.	Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1200 Brickyard Lane Suite 400, Baton Rouge, LA 70802
8.	Name, title, phone number, and email address of prime consultant's contract point of contact	Joseph 'Brian' Johnson, PE, Project Manager (225) 215-5130 brian.johnson2@stantec.com
9.	Name title, phone number, and email address of the official with signing authority for this proposal	Gary Heitman, PE, Senior Principal, Operations Leader (225) 215-5105 gary.heitman@stantec.com

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. Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.	 Signature above shall be the same person listed in Section 9: Date: June 30, 2026	
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.	Firms(s) N/A	Firm(s)' %:

12. **Discipline Table:**

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

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

Discipline(s)	% of Overall Contract	Stantec Consulting Services Inc. (Prime)	Civil Design & Construction, Inc.	Forte and Tablada, Inc.	GeoEngineers, Inc.	Thompson Engineering, Inc.	Wiss, Janney, Elstner Associates, Inc.	ECM Consultants, LLC	Each Discipline must total to 100%
Bridge	63%	67%		10%		3%	17%	3%	100%
Geotech	7%				100%				100%
Road	15%	75%	10%	10%		5%			100%
Traffic	5%	100%							100%
Survey	5%		50%	50%					100%
Environmental	5%	92%				5%	3%		100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.									
Percent of Contract	100%	63.06%	4.00%	10.30%	7.00%	2.89%	10.86%	1.89%	100%

13. **Team 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 (must specify)" and include the classification title inside the parentheses.

The DOTD Job Classification(s) to be used can be found at the following link: <https://bit.ly/DOTDJobClassifications>

Firm Name	DOTD Job Classification	Number of personnel <u>committed</u> to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
Stantec Consulting Services Inc.	Principal	1	4
Stantec Consulting Services Inc.	Supervisor - Eng	2	4
Stantec Consulting Services Inc.	Supervisor - Other	1	15
Stantec Consulting Services Inc.	Engineer	8	24
Stantec Consulting Services Inc.	Engineer - Other	2	8
Stantec Consulting Services Inc.	Engineer Intern	5	25
Stantec Consulting Services Inc.	Senior Technician	3	10
Stantec Consulting Services Inc.	CADD Technician	3	8
Stantec Consulting Services Inc.	Environmental Manager	1	10
Stantec Consulting Services Inc.	Accountant	1	4
Stantec Consulting Services Inc.	Clerical	1	4
Stantec Consulting Services Inc.	Archaeologist	1	5
Stantec Consulting Services Inc.	Environmental Professional	1	5
Stantec Consulting Services Inc.	Biologist	0	4
Stantec Consulting Services Inc.	Historian	1	6
Stantec Consulting Services Inc.	Planner	0	4
Civil Design & Construction, Inc.	Surveyor	1	2
Civil Design & Construction, Inc.	Party Chief	3	5
Civil Design & Construction, Inc.	Instrument Man	2	3
Civil Design & Construction, Inc.	Rodman	2	2
Civil Design & Construction, Inc.	CADD Operator	1	1

Civil Design & Construction, Inc.	Senior Technician	3	6
Civil Design & Construction, Inc.	Supervisor – Other	1	1
ECM Consultants, LLC	Principal	1	1
ECM Consultants, LLC	Supervisor Engineer	1	5
ECM Consultants, LLC	Engineer	1	12
ECM Consultants, LLC	Supervisor Others	1	3
ECM Consultants, LLC	Engineer Intern	1	5
ECM Consultants, LLC	Inspector - Lead	1	7
ECM Consultants, LLC	Inspector - Certified	2	13
Forte and Tablada, Inc.	Principal	1	2
Forte and Tablada, Inc.	Surveyor	2	4
Forte and Tablada, Inc.	Party Chief	2	4
Forte and Tablada, Inc.	Instrument Man	2	2
Forte and Tablada, Inc.	Technician	1	1
Forte and Tablada, Inc.	Senior Technician	1	2
Forte and Tablada, Inc.	Supervisor - Eng	1	1
Forte and Tablada, Inc.	Engineer	1	1
Forte and Tablada, Inc.	CADD Technician	2	4
Forte and Tablada, Inc.	Clerical	1	1
GeoEngineers, Inc.	Administrative	1	4
GeoEngineers, Inc.	CADD Technician	1	1
GeoEngineers, Inc.	Driller	2	3
GeoEngineers, Inc.	Engineer	4	9
GeoEngineers, Inc.	Engineer- Other	0	7
GeoEngineers, Inc.	Engineer Intern	1	3
GeoEngineers, Inc.	Principal	2	6

GeoEngineers, Inc.	Senior Technician	1	1
GeoEngineers, Inc.	Technician	1	11
Thompson Engineering, Inc.	Accountant	1	3
Thompson Engineering, Inc.	Administrative	1	1
Thompson Engineering, Inc.	Supervisor - Architect	1	1
Thompson Engineering, Inc.	Architect	1	6
Thompson Engineering, Inc.	Designer	1	2
Thompson Engineering, Inc.	Clerical	1	3
Thompson Engineering, Inc.	Engineer	1	12
Thompson Engineering, Inc.	Inspector - Certified	1	4
Thompson Engineering, Inc.	Inspector - Lead	1	1
Thompson Engineering, Inc.	Principal	1	1
Wiss, Janney, Elstner Associates, Inc.	CADD Technician	2	7
Wiss, Janney, Elstner Associates, Inc.	Clerical	4	5
Wiss, Janney, Elstner Associates, Inc.	Engineer Intern	2	11
Wiss, Janney, Elstner Associates, Inc.	Engineer	1	3
Wiss, Janney, Elstner Associates, Inc.	Engineer - Other	3	41
Wiss, Janney, Elstner Associates, Inc.	Geologist	1	2
Wiss, Janney, Elstner Associates, Inc.	Principal	6	71
Wiss, Janney, Elstner Associates, Inc.	Professional	4	145
Wiss, Janney, Elstner Associates, Inc.	Senior Technician	2	24
Wiss, Janney, Elstner Associates, Inc.	Supervisor - Arch	0	1
Wiss, Janney, Elstner Associates, Inc.	Supervisor - Eng	2	18
Wiss, Janney, Elstner Associates, Inc.	Supervisor - Other	6	189
Wiss, Janney, Elstner Associates, Inc.	Technician	2	9
Wiss, Janney, Elstner Associates, Inc.	Inspector - Bridge	0	1

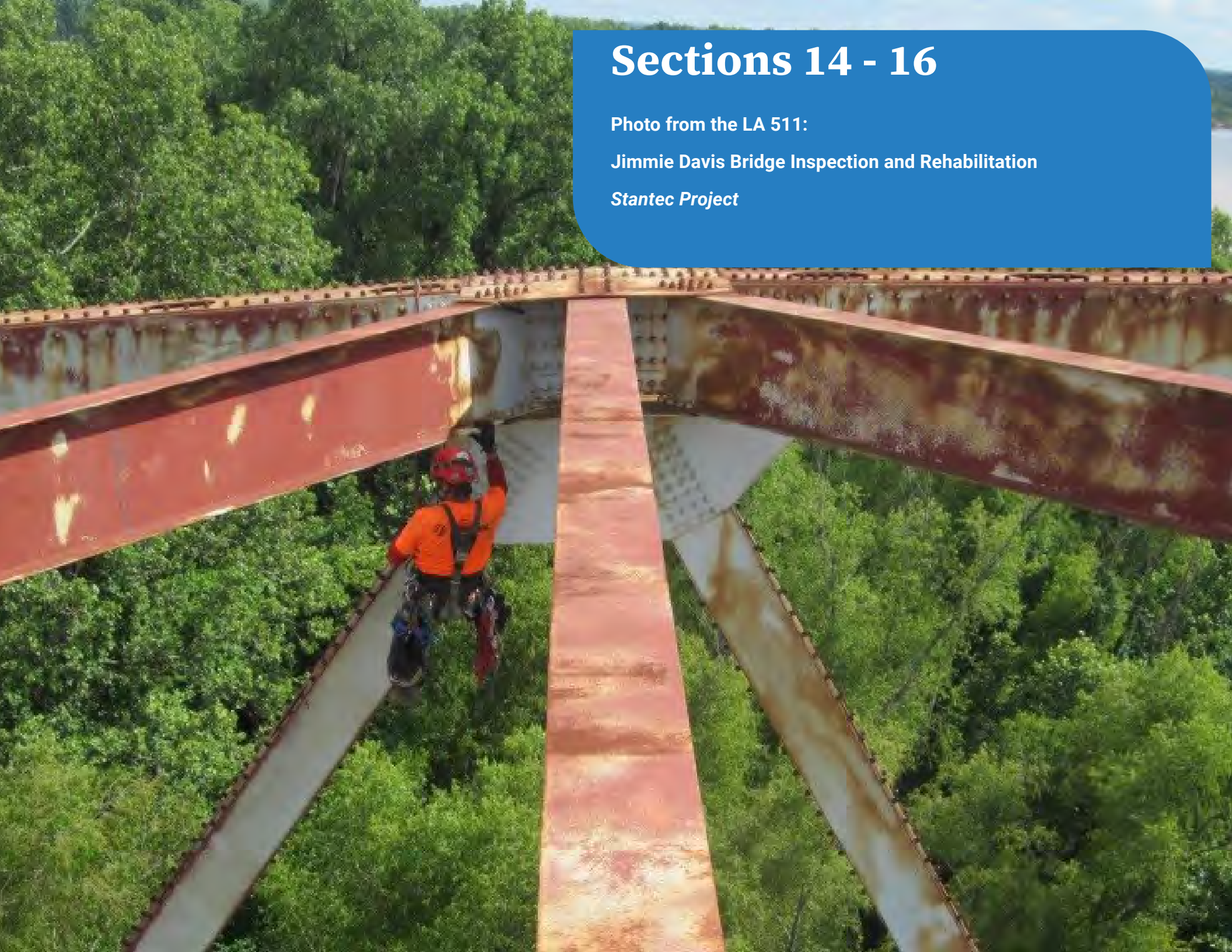
*For evaluation purposes only, and as referenced in the Scope of Services on page 2 of IDIQ advertisements only, the consultant shall assume the number of currently active task orders specified in the advertisement and shall identify the number of committed personnel accordingly.

Sections 14 - 16

Photo from the LA 511:

Jimmie Davis Bridge Inspection and Rehabilitation

Stantec Project



14. **Organizational Chart:****PRINCIPAL-IN-CHARGE**■ Gary Heitman, PE [†] #8**PROJECT MANAGER**■ Joseph 'Brian' Johnson, PE #1, 2, 3 ¹ ³**QA/QC TEAM LEAD**

■ Taylor Perkins, PE

BRIDGE DESIGN AND LOAD RATING**FIXED BRIDGES**

- John Krebs, PE (*Task Lead*) [†] #4
- Kunal Malpani, PE ¹ #4
- Heather Deare, PE #4 [†] ¹ ³
- Robert Smith, PE
- Carl Gaudry, PE [†] ¹
- Bagyalakshmi Shanmugam, PhD, EI [†] ¹
- Joffrey Easley, MS, PE [†] ¹ ³ #4
- Russell "Joey" Coco, PE, MBA
- Steven Lauer, PE ¹ ³ #4
- Douglas Crampton, (SE)

MOVABLE BRIDGES

- Mickey Harrison, PE #7 (*Task Lead*) (*Structural*)
- Jonathan McGormley, PE ¹ ³ #7 (*Structural*)
- John Williams, PE #5 (*Mechanical*)
- Robert Tosolt, PE #5 (*Mechanical*)
- Gareth Rees, PE #6 (*Electrical*)
- Yang Zheng, PE #6 (*Electrical*)

Architectural Services

- Alton Davis, AIA, NCARB, ICC #13
- Marco A. Perez, III
- Raymond Brown, III, AIA

GEOTECHNICAL

- Larry D. Sant, PE #9
- James "Jim" Aronstein, Jr., PE, PLS #9
- Brenda Novoa, PE
- David Eley, PE

BRIDGE INSPECTION

- Ryan Nataluk, (PE) ¹ ² ³
- Dominic DeJohn, PE (*Underwater*) ¹ ³
- Robert Catron, (PE) ¹ ² ³
- Tyler Carson, (EI) (*Drone Pilot*) ¹ ³
- Heather Deare, PE #4 [†] ¹ ³
- Leonard Phelps [^]
- Emilio Rodriguez [^] [†] ¹

SAMPLING, INSTRUMENTATION, NDT

- Curtis Schroeder, (SE) ¹ ³
- Nathaniel Rende, (SE)

ROAD AND TRAFFIC

- Joseph 'Joe' Cains, III, PE * [†] #8
- Nicholas "Nick" Prudhomme, PE [†] #8
- Mary Frances O'Rourke, PE [†] #8
- Hannah Krebs, PE [†]
- Joseph 'Joey' Lefante, PE, PTOE * [†]
- Tyler Branch, PE [†] #8
- Karla E. Weston, PE
- David H. Dupre, PE [†] #8

MISCELLANEOUS

- Derrick Goudeau, PE (*Lighting*)
- Michael Whitney "Whit" Hawkins, PE (*Hydraulics*)
- Justin Bosarge [†] (CEI)
- Byron Mackey [†] (CEI)
- David Waller (CEI) [†] ¹
- Zachary Collier, PE [†] ¹

ENVIRONMENTAL/PERMITTING

- Scott Hoffeld, CEP [†] *
- Adrienne Campbell #11
- Ken Gergely, RPA #11
- Scotty Moore, RPA #12
- Dana Taggart, RPA #12
- Emily Reed #13
- Alton Davis, AIA, NCARB, ICC #13
- Deborah Slaton #13
- Josh McEnany #14
- Elton Muzny #14

SURVEY/TITLE WORK

- Bradley Holleman, PLS, PE [†] #10
- Ross Wilson, PLS [†] #10
- Rachel Waldroup, PLS [†]
- Blake Bonnette [†]
- Trenton Iglehart [†]
- Chris Ballard, PLS [†] #10
- Madison Mills, PLS [†]
- Scott Benton [†]
- Jacob Stoehr [†]
- Clarence Goodspeed (*SUE Manager*)

Legend

- Stantec Consulting Services Inc.
- Civil Design & Construction, Inc.
- ECM Consultants, LLC
- Forte and Tablada, Inc.

- GeoEngineers, Inc.
- Thompson Engineering, Inc.
- Wiss, Janney, Elstner Assoc., Inc.

- # Denotes MPR No.
- [†] ATSSA Traffic Control Training
- * Traffic Engineering Process and Report Training

- (PE) Registered as PE outside of Louisiana
- ¹ Meets NBIS Team Leader Criteria
- ² Society of Professional Rope Access Technicians (SPRAT) Certified I, II, III

- ³ Has taken NHI 130078 Bridge Inspection Techniques for NSTM
- [^] Certified Coating Specialist/Inspector

15. **Minimum Personnel Requirements:**

MPR No.	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 and Discipline Meeting MPR/ Certification & Number (Ex: PE # - Civil)	State of License	License/Certification Expiration Date
1.	Joseph "Brian" Johnson, PE	Stantec Consulting Services Inc.	PE #31273 - Civil	LA	9/30/2026
2.	Joseph "Brian" Johnson, PE	Stantec Consulting Services Inc.	PE #31273 - Civil	LA	9/30/2026
3.	Joseph "Brian" Johnson, PE	Stantec Consulting Services Inc.	PE #31273 - Civil	LA	9/30/2026
4.	Kunal Malpani, PE John Krebs, PE Heather Deare, PE Joffrey Easley, MS, PE Steven L. Lauer, PE	Stantec Consulting Services Inc. Stantec Consulting Services Inc. Stantec Consulting Services Inc. Forte and Tablada, Inc. Wiss, Janney, Elstner Assoc., Inc.	PE #43016 - Civil PE #37259 - Civil PE #36800 - Civil PE #31542 - Civil PE #50059 - Civil/Structural	LA LA LA LA LA	3/31/2027 9/30/2026 3/31/2028 3/31/2027 9/30/2027
5.	John R. Williams, PE Robert Tosolt, PE	Wiss, Janney, Elstner Assoc., Inc. Wiss, Janney, Elstner Assoc., Inc.	PE #44300 - Mechanical PE #35750 - Mechanical	LA LA	9/30/2026 3/31/2027
6.	Gareth Rees PE Yang Zheng, PE	Wiss, Janney, Elstner Assoc., Inc. Wiss, Janney, Elstner Assoc., Inc.	PE #40754 - Electrical/Computer PE #45341 - Electrical	LA LA	9/30/2026 9/30/2027
7.	Michael "Mickey" Harrison, PE Jonathan C. McGormley, PE	Stantec Consulting Services Inc. Wiss, Janney, Elstner Assoc., Inc.	PE #28313 - Civil PE #43912 - Civil	LA LA	9/30/2027 3/31/2028
8.	Gary Heitman, PE Joseph 'Joe' Cains, III, PE Nick Prudhomme, PE Mary Frances Bratton O'Rourke Tyler Branch, PE David Dupre, PE	Stantec Consulting Services Inc. Stantec Consulting Services Inc. Stantec Consulting Services Inc. Stantec Consulting Services Inc. Forte and Tablada, Inc. Thompson Engineering, Inc.	PE #24670 - Civil, Environmental PE #33670 - Civil PE #35996 - Civil PE #41444 - Civil PE #41576 - Civil PE #23422 - Civil, Environmental	LA LA LA LA LA LA	9/30/2026 3/31/2028 3/31/2027 9/30/2027 9/30/2027 3/31/2028
9.	Larry D. Sant, PE James "Jim" Aronstein, Jr., PE, PLS	GeoEngineers, Inc. GeoEngineers, Inc.	PE #35625 - Civil PE #11794 - Civil	LA LA	9/30/2026 3/31/2027
10	Chris Ballard, PLS Bradley Holleman, PLS, PE Ross Wilson, PLS	Civil Design & Construction, Inc. Forte and Tablada, Inc. Forte and Tablada, Inc.	PLS #5033 - Survey PLS #5082 - Survey PLS #5148 - Survey	LA LA LA	9/30/2026 9/30/2026 3/31/2028
11.	Adrienne Campbell Ken Gergely, RPA	Stantec Consulting Services Inc. Stantec Consulting Services Inc.	Completed course Section 106 of the National Historic Preservation Act	N/A N/A	N/A N/A
12.	Scotty Moore, RPA Dana Taggart, RPA	Stantec Consulting Services Inc. Stantec Consulting Services Inc.	Registered Archaeologist #13500 Registered Archaeologist #5773	Nat'l Nat'l	N/A N/A

MPR No.	Personnel Being Used to Meet the MPR <i>(Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the Advertisement)</i>	Firm Employed By	Type of License and Discipline Meeting MPR/ Certification & Number <i>(Ex: PE # - Civil)</i>	State of License	License/Certification Expiration Date
13.	Emily Reed Alton Davis, AIA, NCARB, ICC Deborah Slaton	Stantec Consulting Services Inc. Thompson Engineering, Inc. Wiss, Janney, Elstner Assoc., Inc.	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
14.	Josh McEnany Elton Muzny	Stantec Consulting Services Inc. Stantec Consulting Services Inc.	N/A N/A	N/A N/A	N/A N/A

16. **Staff Experience:**

FIRM EMPLOYED BY		Stantec Consulting Services Inc.			
NAME	Gary Heitman, PE		YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER		26
TITLE	Senior Principal, Operations Leader		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)		12
DEGREE(S) / YEARS / SPECIALIZATION		BS 1986 Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 24670 LA 9/30/2026			
YEAR REGISTERED	1992	DISCIPLINE	Civil Engineering and Environmental Engineering		
Contract role(s) / brief description of responsibilities	With 38 years of experience, Gary will serve as PRINCIPAL-IN-CHARGE for this contract. He has led the study and design of various project types, including interstates and interchanges, arterials and collector highways, local roads, bridge replacement projects and other similar transportation systems, on both existing highway alignments and new locations. His experience also includes Design-Build and Construction Administration Services, allowing him to apply lessons learned in the construction arena to the design process and thereby providing a better set of alternatives and/or construction plans. Prior to joining Stantec, Gary served as a Plan Development Engineer and Design Engineer with the LADOTD. Gary meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 8				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/01 - 03/04	OUACHITA RIVER BRIDGE LADOTD Harrisonburg, LA Project Manager. Gary was responsible for the study to replace the existing Louisiana 8 bridge in Harrisonburg, Louisiana on new alignment. The study identified potential alternative alignments and environmental impacts. Cost estimates, including roadway construction, right-of-way, and utility relocations costs were developed for the report. After successfully obtaining an EA document on the recommended alignment, the project proceeded into the design phase, where in addition to leading the Roadway team to develop the Preliminary and Final construction plans for the 1.4 mile relocation project, Gary coordinated with the Survey Division to develop the topographic survey and ROW maps. The project required close interaction with the LADOTD Bridge Design Section, who developed the bridge design and plans for the high-level river crossing.				
08/19 - 04/24	I-10 LOYOLA DESIGN-BUILD LADOTD New Orleans, LA Roadway Design QC. Gary provided Roadway QC for this multimillion-dollar project that improves access and traffic operations to and around the new Northfield Terminal at the New Orleans Airport. Project consists of a Diverging Diamond Interchange, in addition to flyover ramps leading to/from the Airport on the east side of the interchange.				
04/11 - 06/15	I-210 COVE LANE INTERCHANGE PROJECT LADOTD Lake Charles, LA Roadway Division Manager. Gary led the roadway design efforts on this fast-paced project to improve access to the casino site located on I-210 between Cove Lane and Nelson Road Interchanges. Stantec led the initial study regarding appropriate access needs to and from the casino along I-210 as prior access to the site was not sufficient for the expected increase in traffic. Deliverables included a final report meeting all LADOTD requirements for a traffic impact study based on the proposed development and Stage 0 requirements for long-term improvements at the I-210/Cove Lane and I-210/Nelson Road interchanges, in each case reflecting all agency comments with no outstanding comments or further review required.				
10/17 - Ongoing	NELSON ROAD AND BRIDGE EXTENSION LADOTD Lake Charles, LA Roadway Division Manager. Stantec led the effort for this new high-level bridge and approaches over Contraband Bayou, a navigable waterway in the Lake Charles area. Project will provide a crucial link to downtown Lake Charles and the Port of Lake Charles by extending Nelson Road over Contraband Bayou to West Sallier Street.				
07/15 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Contract No. H.004273.5 Lafayette, LA Assistant Program Manager and Geometrics Task Manager. Gary is assisting with the Program Management task, including overseeing the implementation of an extensive QC/QA plan. He is managing the geometric design of the corridor, which includes segments of at-grade and elevated mainline, frontage roads, urban interchanges and slip ramps, as well as connections/modifications to the existing roadway network. Geometric team's task includes conceptual constructability and maintenance of traffic plans, conceptual drainage design, and estimates of probable construction costs throughout the project. Stantec performed a re-evaluation of the Final EIS through the corridor, began an extensive context sensitive solutions process, and analyzed the horizontal and vertical geometry concepts developed in the previous phases of the project. Through this process, additional concepts are being considered, and in addition to the CSS component, a formal SEIS process is being followed to document the changes identified for the project.				

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Joseph 'Brian' Johnson, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	21	
TITLE	Principal, Bridge Division Leader	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	5	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2000 Civil Engineering; BS 1999 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 31273 LA 09/30/2026		
YEAR REGISTERED	2004	DISCIPLINE	Civil Engineering; NBIS Certified Team Leader	
Contract role(s) / brief description of responsibilities	Brian brings 26 years of engineering experience specifically related to structural projects and serves as the Structural Section Manager in the Baton Rouge office. His primary expertise lies in analysis, design, rating, inspection, and rehabilitation of bridges. Brian has managed bridge projects with a variety of structure types such as horizontally curved steel plate girders, prestressed concrete girders, steel truss vertical lift bridges, long span steel trusses, concrete box culverts, and retaining walls. He has overseen several NSBI bridge inspection projects and been involved in hydraulic studies for bridge replacement projects in both Mississippi and Louisiana. Brian will serve as PROJECT MANAGER for this contract. Brian meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 1, 2, 3			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
10/22 - Ongoing	IDIQ CONTRACT FOR BRIDGE PRESERVATION Contract No. 4400023922 LADOTD Statewide, LA Project Manager. Brian serves as the Project/Contract Manager overseeing this \$7 million IDIQ contract. Two task orders are active (I-10 over Trinity Canal Bridge Repair and Box Culvert Initiative to replace 13 existing bridges) with several in the negotiation phase (US80 near Minden, 10 bridge replacement with boxes, Yellow Water River bridge replacement, and I-10 over Loyola Dr rehabilitation). He is responsible for developing scope and estimate documents, overseeing project activities, coordinating with LADOTD and supporting disciplines/sub-consultants, managing project budgets, and maintaining schedules.			
09/12 - 09/17	RETAINER CONTRACT FOR BRIDGE PRESERVATION Contract No. 4400002536 LADOTD Statewide, LA Project/Contract Manager. Brian served as the Project/Contract Manager for this \$6 million contract. Services included bridge inspections, bridge rehabilitation, new roadway alignment construction, lighting and utility design services, new bridge construction, construction support services, and bridge load rating analyses. Task orders included design and construction support for the US90Z Ramp Improvements in New Orleans, LA3064 Essen Lane Bridge Widening in Baton Rouge, LA511 Jimmie Davis Bridge Rehabilitation in Bosier Parish, I-10 Bridge Preventive Maintenance along the Atchafalaya Floodway Basin; and construction support on the I-210 / Cove Lane interchange in Lake Charles. Brian provided both technical and contractual oversight on these tasks and more.			
08/19 - 04/24	I-10 LOYOLA DESIGN-BUILD LADOTD Project No. H.011670 New Orleans, LA Lead Structural Engineer. Brian led the structural design efforts of two new flyover ramps, one bridge widening, noise barriers, precast box culverts, roadway and pier protection barriers, and miscellaneous structural elements. During design, Brian orchestrated a series of meetings with the contractor, fabricators, vendors, and suppliers to optimize and streamline the design. He oversaw construction support which included shop drawing reviews, addressing RFIs, and providing construction engineering services.			
01/23 - Ongoing	LA 3094: HEARNE AVE BRIDGE AND US 80: KCS RR OVERPASS (HBI) Contract No. 4400022901 LADOTD Shreveport, LA Project Manager. Brian manages the design and plan development efforts for the replacement of two bridges over CPKC (formerly KCS) lines in Shreveport, LA. Using concepts developed by LADOTD, new span arrangements are being developed to minimize railroad right-of-way impacts with the goal to limit impacts due to raising the finish grade to accommodate vertical and horizontal clearances. The Hearne Ave. crossing concepts were studied to determine potential impacts ahead and back station of the bridge. Preliminary plans are in development. Topographic survey is being collected at the US 80 (Texas Ave.) crossing with preliminary plans anticipated to begin early 2026. Brian coordinates with LADOTD PMs regularly and is responsible for QC efforts and transmitting deliverables.			
03/24 - 06/25	SR 28 OVER PEARL RIVER REPAIRS MISSISSIPPI DOT Copiah and Simpson Counties, MS Project Manager. Brian served as the Project Manager for the inspection and repair of a steel through truss that was damaged due to an oversized vehicle impact. When the damage occurred, MDOT requested Stantec to perform a damage inspection to determine the extents of required rehabilitation. Brian led the initial inspection and coordinated the hands-on inspection just one week after the impact. Repair plans were developed using the inspection findings. Truss members were replaced in-kind. Stantec reviewed contractor shop drawings and temporary support design for each phase of construction.			

08/22 – Ongoing	BRIDGE INSPECTION AND RELATED SERVICES IDIQ MASTER CONTRACT 2022 Mississippi Office of State Aid Road Construction Statewide, MS Project Manager. Brian manages all field and office work for inspecting and load rating over 200 bridges annually through the state of Mississippi. Inspections and load ratings are performed in accordance with current NBIS and SNBI and procedures as outlined in the AASHTO MBE. Brian also serves as the contract administrator and is responsible for developing work assignments including scope, schedule, and fee estimates. His responsibilities also include managing project activities, inspection scheduling / coordination, performing QC/QA on field inspections, load ratings, and inspection reports, and assisting with invoicing. Structure types include steel trusses, structural steel plate girders, steel railroad flat cars, reinforced concrete girders and slabs, and reinforced concrete box culverts. Work assignment number six was executed in August 2025 and will terminate in early 2026. Brian has managed this contract since first award in 2010.
11/22 - Ongoing	SR 16/SR 149 FLOODWAY CHANNEL YAZOO RIVER Mississippi DOT Yazoo County, MS Project Manager. Brian serves as the Project Manager on this bridge replacement project involving three existing structurally deficient bridges over the Yazoo River Relief Channel system. The main structure is a 928-ft long structural steel plate girder bridge on a 20-degree skew with a span arrangement of 280-368-280-ft. The two approach structures consist of three 100-ft prestressed concrete girder (FIB-45) spans. Foundations consist of steel pipe piles and drilled shafts (84-in diameter). Brian managed design and plan development activities, performed quality control checks, and oversees construction administration activities.
07/18 - Ongoing	SR 12 OVER SUNFLOWER RIVER BRIDGE REPLACEMENT Mississippi DOT MS Project Manager. Brian serves as the Project Manager for this bridge replacement of an existing structurally deficient bridge. The new structure will be a three-span, structural steel plate girder bridge that will be 910-ft long with a main span of 350-ft. A construction sequence is suggested that will reduce transportation concerns by using shorter field pieces that will be spliced on the site prior to erection. Substructure units consist of concrete caps founded on drilled shafts (7-ft diameter) and steel pipe piles. Segmental joints were designed for the bridge ends to accommodate large movements and minimize future maintenance considerations.
08/15 - 03/20	I-20 / TARBUTTON INTERCHANGE City of Ruston Ruston, LA Project Manager. Brian managed the design of a two-span bridge over I-20 to replace an existing structurally and geometrically deficient bridge along Tarbutton Rd. The bridge consisted of structural steel plate girders and drilled shaft foundations. Design efforts were performed in under four months to avoid losing project funding. In addition to design and plan development, Brian oversaw construction support which included reviewing shop drawings and addressing contractor RFIs.
07/05-Ongoing	SR 601 / I-10 INTERIM INTERCHANGE Mississippi DOT Harrison County, MS Project Manager. The original project consisted of replacing a diamond interchange with a four-level, fully directional interchange between SR601 and I-10; however, due to a recent review by the client, the interchange was modified to eliminate two levels. Stantec has been tasked with updating bridge plans to incorporate these modifications and the new standard specifications. Project components include long span (up to 250-ft) horizontally curved steel plate girders; prestressed concrete girders (Types III, IV, BT-54, BT-63, and BT-72); hammerhead and multi-column concrete bents; cast-in-place concrete retaining walls; and complex pile footing designs. Brian manages the structural design efforts for the seven bridges assigned to Stantec. Final plans are being developed.
12/15 - Ongoing	NELSON ROAD EXTENSION AND BRIDGE LADOTD Contract No. H.005967 Lake Charles, LA Structural Engineer. Brian managed the bridge and structural design efforts from preliminary to final plans. He performed quality review of bridge design, plans, and specifications for this bridge extension to the surrounding roadway network. Project tasks included design of bridge superstructure, substructure including foundations, median barrier design, and as-designed load rating. Other design elements include navigational lighting bridge attachments and steel bracket light supports with concrete anchors to the bridge structure. Structural Design was performed in compliance with AASHTO LRFD Specifications. In addition, he led the inspection of an existing sign truss to ensure it could be reused for the current project. Brian is currently providing structural construction support for this project.
04/17 - 08/17	SR 605 OVER THE INDUSTRIAL WATERWAY IN-DEPTH BRIDGE INSPECTION Mississippi DOT Gulfport, MS Project Manager. Brian served as the project manager for the in-depth inspection of the 1390-ft long bridge that consists of a double leaf steel girder bascule span (211-ft) and prestressed concrete girder approach spans. Inspection types included routine NBI, element level, in-depth and fracture critical which include full electrical, mechanical, and structural inspection of all components of the bascule span. Brian's responsibilities included overseeing the project, scheduling and coordination of the field inspections, performing quality review checks of the draft and final inspection reports, and reviewing monthly invoices. Three different Stantec offices and one sub-consultant were involved in the inspections and report development. Due to the heavy traffic in these areas, inspections were limited to four business days which condensed field activities to a maximum of one week.
09/08 - 08/10	JUDGE SEEBER BRIDGE REHABILITATION LADOTD Project No. 046-31-0053 New Orleans, LA Project Manager. This multi-discipline project consisted of mechanical, electrical, architectural, and structural rehabilitation of an existing vertical lift steel truss bridge. To obtain the necessary funds for construction, this project required a 'fast-track' timeframe which was approximately four months to complete final plans. Brian managed design and plan development efforts, coordinated between subconsultants, developed special provisions, and oversaw construction support services which included reviewing shop drawings, addressing contractor RFIs, and performing construction engineering.

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	John Taylor Perkins, PhD, SE, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	19	
TITLE	Principal, Senior Structural Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		PhD 2017 Structural Engineering; MS 2008 Structural Engineering; BS 2007 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 47449 LA 09/30/2027		
YEAR REGISTERED	2023	DISCIPLINE	Civil Engineer	
Contract role(s) / brief description of responsibilities	Taylor has been involved in the plan preparation, design, load rating, and rehabilitation of complex highway and rail bridges of nearly every type. His experience includes concrete bridges (including pre-tensioned and post-tensioned girders), structural steel bridges, long span bridges (including post-tensioned, trusses, arches, and cable supported structures), seismic evaluation and retrofit, and various types of foundation systems. He has been involved in all project phases ranging from planning, to preliminary and final design, to engineering during construction support (ESDC). In addition to structure design, Taylor has completed Sprat Level I rope access training and has assisted in a wide range of bridge inspections. Taylor will serve as QA/QC TEAM LEAD for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/15 - 03/21	WELLSBURG BRIDGE QUALITY ASSURANCE MANAGEMENT (QAM) SERVICES WEST VIRGINIA DIVISION OF HIGHWAYS Wellsburg, WV QAM Structures Lead. Taylor served as the Structures Discipline Lead for the QAM team supporting the WVDOH and overseeing design and construction of the P3 project. The project involves a new Ohio River crossing connecting Wellsburg, WV to Brilliant, OH. The network tied arch bridge will span 830-ft over the main navigation channel and have welded steel plate girders for the Ohio approach (195'-255'-195') and West Virginia approach (187'-6"-187'-6"). The ends of the bridge are supported by pile bents behind MSE walls, while the approach spans are supported by frame piers founded on piles and drilled shafts. The ends of the arch span are supported by piers with inclined columns, a post-tensioned cap, and founded on three 10-ft diameter drilled shafts. The P3 project also includes realignment of WV2 with the innovative use of walls and a pedestrian pathway. As the QAM Structures Discipline Lead for the WVDOH, Taylor provided project documentation development during the pursuit phase working with ODOT, WVDOH and other stakeholders. This includes development of project criteria, which incorporated requirements for 100-year service life as well as redundancy considerations. Taylor also performed QA reviews of all design and plan submittals and technical guidance and coordination on design challenges with the P3 team. During the construction phase of the project Taylor addressed RFIs and performed critical reviews of construction submittals including those for the erection engineering of the arch and float-in operation.			
04/17 - 09/22	US 460 OVER POND CREEK Pikeville, KY Senior Structural Engineer. US 460 over Pond Creek consists of twin steel plate girder superstructures spanning a deep hollow in eastern Kentucky; the bridge is a five-span structure with span lengths of 170'~220'~220'~220'~170'. Stantec served as the erection engineers for this project, working with the Contractor to develop an erection scheme. Due to the steep slopes and height above the ground below, the incremental launching method was adopted, making it the first bridge of its magnitude to be launched in the state of Kentucky. Taylor assisted with developing the plan and designing the launching system and equipment. In addition to the erection engineering tasks, Stantec worked with the Contractor to develop a VE proposal that changes the originally designed box piers to a slender H-shaped pier, which would assist the Contractor with forming and constructing. Taylor assisted with design checks and performed advanced nonlinear buckling analyses to validate the selection of the slender piers. At nearly 350-ft, these piers are the tallest in the state of Kentucky.			
12/12 - 12/16	LOUISVILLE-SOUTHERN INDIANA OHIO RIVER BRIDGES PROJECT (LSIORB) - DOWNTOWN CROSSING (KENNEDY INTERCHANGE) DESIGN-BUILD KENTUCKY TRANSPORTATION CABINET Louisville, KY Senior Structural Engineer. Responsible for micropile foundation designs as well as 3-D finite element modeling of the steel superstructure unit for Bridge A012. Structure is a 6-span bridge which replaced the existing structure on a new alignment slightly to the west. The new bridge superstructure consists of curved steel plate girders with 54 inch webs on a 485-ft radius (105ft. ~ 138ft.), 60 inch deep PPC I beams (74ft. ~ 106.5ft.), and 72 inch deep PPC I-beams (128.5ft. ~ 82.83ft.). The substructure consists of integral end bents, a backwall stub abutment, and multicolumn frame piers all supported on end bearing steel piles or rock-socketed micropiles. Design challenges included the following: complex roadway geometry with merging ramps and a gore area on the bridge, tight vertical clearance, concrete counterweight to resist uplift on curved steel spans, poor soil conditions with 120ft. deep rockline, all vertical piles (no batter) due to conflicts with utilities and other structures, and micropiles at one pier to limit construction vibration near sensitive features. Complex finite element modeling of the steel spans was required to validate stresses and displacements obtained from the simplified grid analysis used for design. This bridge is part of \$950M design-build project for a complex interchange rebuild (I-65, I-75, and I-71) and a new Ohio River crossing in downtown Louisville.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.			
NAME	John Krebs, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		12
TITLE	Senior Bridge Engineer		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		4
DEGREE(S) / YEARS / SPECIALIZATION		MS 2008 Civil Engineering; BS 2007 Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 37259 LA 9/30/2026			
YEAR REGISTERED	2012	DISCIPLINE	Civil Engineering		
Contract role(s) / brief description of responsibilities	John has 16 years of engineering experience providing engineering design and load ratings for bridges and interchanges for LADOTD, MDOT, and KYTC. His primary expertise lies in the engineering analysis and design of a variety of structure types such as prestressed concrete girders, reinforced concrete substructure elements, and retaining walls. He has been heavily involved in the inspection and load rating of existing bridges in both Louisiana and Mississippi. John has an excellent working knowledge of AASHTO LRFD and the LADOTD Bridge Design Manual. He is proficient in several commercial software packages including AASHTOWare BrR, RC-Pier, CONSPAN, MDX, and STAAD. John will serve as FIXED BRIDGES TASK LEAD for this contract. John meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 4				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/23 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Project No. H.004273 Lafayette, LA Bridge Engineer. John is responsible for developing bridge design plans for the new Kaliste-Saloom interchange configuration. Bridge structures include for ramps tying into a two-span, "table-top" structure that will move traffic to and from northbound and southbound I-49. Structure types consist of prestressed LG and horizontally curved structural steel plate girders. Existing and proposed constraints (railroad crossing, existing and proposed I-49, temporary roadways) required unique substructure placement and a variety of foundation types (pile footings, pile bents, drilled shafts). In addition, John oversaw plan development for new structures crossing Vermillion River that are to be included in the final structure report.				
11/22 - Ongoing	SR 16/SR 149 FLOODWAY CHANNEL YAZOO RIVER (BRIDGE NOS. 210.9, 211.1, 211.8) MDOT Yazoo City, MS Senior Project Engineer. John is responsible for the analysis, design, and plan development for three bridges crossing the floodway channel of the Yazoo River. Bridge No. 210.9 consists of three 100-ft, prestressed, FIB 45 spans supported by reinforced concrete bent caps on steel pipe piles. Bridge 211.1 consists of a skewed, 928-ft, three-span continuous steel plate I-girder unit supported by reinforced concrete caps on steel pipe piles for end bents and reinforced concrete caps on drilled shafts for intermediate bents. Bridge 211.8 consists of identical components to Bridge 210.9 and is also in a horizontal curve. As the senior project engineer, John is the technical lead, QC/QA for the design and plan development, and assists with construction support.				
10/17 - 01/19	AASHTOWARE BRR BRIDGE LOAD RATING MDOT Statewide, MS Project Engineer for the load rating of 120 bridges using AASHTOWare BrR. Structure types included steel plate girders, prestressed concrete girders, concrete T-beams, concrete slab spans, and integral reinforced concrete multi-cell box girders. Ratings were performed in accordance with the current MDOT and AASHTO standards. John was responsible for day-to-day support of the load rating engineers and performing QC/QA on finished load ratings.				
04/11 - 03/15	I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT LADOTD H.010151 Lake Charles, LA Project Engineer. John was responsible for the design and plan development of three bridges and an MSE wall system load transfer platform. The bridge along I-210 consists of a single, 130-ft-long, LG-54 prestressed concrete girder span founded on true abutments (spread footings). The remaining bridges consist of concrete slab spans founded on concrete pile bents. All design was performed in accordance with AASHTO LRFD Bridge Design. This project received the Highways/Bridges: Award of Merit from the Engineering News Record for Texas and Louisiana in October 2016.				
12/15 - Ongoing	NELSON ROAD EXTENSION AND BRIDGE LADOTD Contract No. H.005967 Lake Charles, LA Structural Engineer. John worked on the bridge and structural design efforts during preliminary plans. Project tasks included preliminary design of bridge superstructure, substructure including foundations, median barrier design, and as-designed load rating. Other design elements include navigational lighting bridge attachments and steel bracket light supports with concrete anchors to the bridge structure. Structural Design was performed in compliance with AASHTO LRFD Specifications. In addition, he completed the vessel study report detailing the expected water-borne vessel traffic and establishing the need for pier protection structures. John will also be assisting with structural construction support for the project.				

FIRM EMPLOYED BY		Stantec Consulting Services Inc.			
NAME	Kunal Malpani, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		13
TITLE	Structural Engineer		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		0
DEGREE(S) / YEARS / SPECIALIZATION		MS 2012 Civil Engineering; BS 2010 Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 43016 LA 3/31/2027			
YEAR REGISTERED	2018	DISCIPLINE	Civil Engineering; NBIS Certified Team Leader		
Contract role(s) / brief description of responsibilities	Kunal has 13 years of structural engineering experience with a primary focus in analysis, design, rating, and inspection of a variety of bridge types including prestressed concrete girders, structural steel plate girders, concrete slab spans, multi-column concrete bents, and pile bents. He is proficient in commercial software packages such as AASHTOWare BrDR, RC-Pier, CONSPAN, MDX, and STAAD. Kunal has also been involved in the design of highway sign structures and reviewing structural shop drawings. Kunal will provide STRUCTURAL ENGINEERING services for this contract. Kunal meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 4				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/19 - 04/24	I-10 LOYOLA DESIGN-BUILD INTERCHANGE LADOTD Kenner, LA Bridge Engineer. Kunal performed design on the horizontally curved structural steel trapezoidal girders, substructure units, roadway barriers, sign structures and foundations, noise barrier, and miscellaneous structural components. He assisted with plan development on several design units. Additional responsibilities included reviewing shop drawings, addressing RFIs, and performing construction engineering. Kunal also performed QC on the load rating reports.				
09/15 - 07/16	I-20 AND TARBUTTON ROAD INTERCHANGE LADOTD Ruston, LA Structural Engineer. Project consisted of replacing an existing concrete overpass structure over I-20 near Ruston with a two-span structural steel plate girder structure. Substructure units were supported by drilled shafts to minimize the bridge footprint. Design was performed in accordance with AASHTO LRFD. Kunal assisted with quality control of the superstructure and substructure design and performed the as-designed load rating.				
01/19 - Ongoing	NELSON ROAD EXTENSION BRIDGE LADOTD Contract No. H.005967 Baton Rouge, LA Structural Engineer. Kunal assisted the design engineer with preparation of plans and specifications for this bridge extension to the surrounding roadway network. Design included design of bridge components, including substructure, footing and foundation, load bearing calculations, girders and barrier design. Other design elements include navigational lighting bridge attachments, steel bracket light supports with concrete anchors to the bridge structure.				
09/13 - 11/17	BRIDGE PRESERVATION RETAINER PROJECTS LADOTD Statewide, LA Load Rating Engineer. Kunal was responsible for developing LFR rating procedure using AASHTOWare BrR and STAAD for superstructure as per AASHTO MBE. Highlights of the project include rating Long Span Steel Through Trusses, Short span Steel Pony Trusses, and Masonry Arch Bridges.				
07/15 - 06/18	US 90 (FUTURE I-49) AND LA 318 INTERCHANGE DESIGN BUILD LADOTD St. Mary Parish, LA Structural Design Engineer for the twin bridges. Each bridge consists of LG-54 prestressed concrete girder spans on multi-column concrete bents and concrete wall piers. Responsibilities included performing design, as-designed load rating, reviewing shop drawings, and addressing construction submittals including RFIs and NCRs.				
01/17 - 10/18	LOAD RATING AND POSTING OF 110 ON-SYSTEM BRIDGES LADOTD Statewide, LA Load Rating Engineer. Project involved the load rating & posting of 110 on-system bridges. Bridges are located throughout the state and were load rated in accordance with LADOTD and AASHTO specifications. AASHTOWare BrR, CSI Bridge, and RC-Pier were used to determine rating factors and posting requirements. Kunal was responsible for developing load rating models and performing analyses. His main focus is a bridge structure on I-10 over city streets in New Orleans that is approx. 18,000-ft long with complex geometry and span arrangements.				
06/16 - Ongoing	MISSISSIPPI COMPLEX BRIDGE INSPECTIONS AND LOAD RATINGS MISSISSIPPI OFFICE OF STATE AID ROAD CONSTRUCTION Statewide, MS Load Rating Engineer and Inspection Team Leader. This project includes inspection and load rating of over 100 off-system bridges in 17 different Mississippi Counties. Inspections and load ratings are performed in accordance with current NBIS and procedures as outlined in the AASHTO MBE. Structure types include steel trusses, structural steel plate girders, steel railroad flat cars, reinforced concrete girders and slabs, reinforced concrete box culverts, and masonry arches. Kunal is responsible for field inspections, load ratings, inspection reports, and QC/QA on load ratings.				

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Heather Deare, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	5	
TITLE	Bridge Inspection Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	13	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2007 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 36800 LA 3/31/2028		
YEAR REGISTERED	2011	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Heather has 18 years of engineering experience related to bridge design, bridge maintenance/repair, and NBIS bridge inspection. She has been involved in the design of a variety of structure types such as prestressed concrete girders, precast slab spans, concrete columns, pile-supported footings, drilled shafts, and retaining walls both MSE and concrete. Through her years of bridge design she gained a true understanding of bridge mechanics and behavior and began applying that to a path in bridge maintenance. During her time at the LADOTD she was responsible for the design and delivery of a variety of bridge maintenance projects across Louisiana ranging from pilot installations of innovative preservation products to emergency repairs resulting from collision accidents. She learned valuable skills regarding realistic and practical preventative maintenance and repair solutions while balancing the needs of an agency with limited resources. Heather will serve as DEPUTY PROJECT MANAGER and will provide BRIDGE services for this contract. Heather meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 4			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/20 - 03/20	INDIAN VILLAGE BRIDGE DECK SEALING PILOT PROJECT LADOTD Plaquemine Parish, LA Project Manager. LADOTD's Bridge Maintenance section was exposed to a deck sealing product via a Bridge Preservation community that operates nationwide and decided to pursue a small, pilot installation to test it's effects. Heather worked closely with the manufacturer to select a good candidate and proceed with the project. She was responsible for lining up District crews to, first, properly clean the deck surface, and then to be on-site to apply the product under the supervision of the manufacturer's representatives. Coordination was required to ensure all parties involved were available and present on the day of install. The work was completed successfully and follow-up checks revealed that the presence of efflorescence did stop progressing once the sealant was applied.			
10/21 - 08/23	LA 3011: SALE BAYOU PILE PROTECTION LADOTD H.015074 Dulac, LA Project Manager. The steel piles on the Sale Bayou Bridge were rapidly deteriorating due to the brackish nature of the water. This bridge is one of the only structures that crosses Sale Bayou in this coastal area. LADOTD Bridge Maintenance learned of a pile jacket product that was impregnated with a corrosion inhibiting gel that was supposed to extend the life of the piles drastically. Heather was responsible for all steps of project delivery from conception to completion including securing funding, getting environmental clearance, working with the Specialty Products Committee to get approval to use a non-AML product, generating construction details outlining installation limits, letting, and construction support.			
01/21 - 02/23	LA 1: BAYOU PLAQUEMINE BRIDGE STRENGTHENING LADOTD H.014608 Iberville Parish, LA Project Manager. LA 1 is a major highway used by many commercial industries for transporting large/heavy equipment. This corridor should not be load posted unless absolutely necessary for public safety. A load rating at the time determined that the bridge over Plaquemine Bayou needed to be load posted until repairs could be made. Heather was the project manager and coordinated with the consultant to, first, perform a load test and, second, to design the necessary repairs as the load test still indicated that a load posting would be required. This project was accelerated due to the economic importance of keeping this corridor open. Due to the alignment of the roadway in this section of the highway extensive traffic control was required which involved moving southbound traffic over to the northbound lanes far in advance of the bridge location and, ultimately on to the northbound adjacent bridge. The repairs were completed quickly and the bridge load posting was removed.			
02/26 - Ongoing	BRIDGE INSPECTION AND RELATED SERVICES IDIQ MASTER CONTRACT 2025 MISSISSIPPI OFFICE OF STATE AID ROAD CONSTRUCTION STATEWIDE, MS Bridge Inspection Engineer. Heather manages all field and office work for inspecting and load rating over 200 bridges annually through the state of Mississippi. Inspections and load ratings are performed in accordance with current NBIS and SNBI and procedures as outlined in the AASHTO MBE. Her responsibilities also include inspection scheduling / coordination, performing QC/QA on field inspections, load ratings, and inspection reports, and assisting with invoicing. Structure types include steel trusses, structural steel plate girders, steel railroad flat cars, reinforced concrete girders and slabs, and reinforced concrete box culverts.			

10/22 - 03/23	I-10 BONNE CARRE SPILLWAY BRIDGE JOINT REPAIRS LADOTD H.015437 Caddo Parish, LA Project Manager. There were four joint locations on this 11-mile bridge that needed to be replaced quickly before they posed a danger to the traveling public. The joint headers had been deteriorating over time but had reached a state that required timely attention. Heather designed and detailed the repair which consisted of breaking out the existing headers, placing new reinforcing bars ensuring that sufficient development length had been achieved, and pouring a quick-cure, high-strength grout to form up the new headers. This work had to be completed overnight using alternating lane closures in order to keep the interstate from being completely shut down, so it was imperative to take all steps to ensure an overnight installation was possible.
01/21 - 04/21	I-20 AT BEAR CREEK FIRE REPAIR LADOTD H.014613 Bienville Parish, LA Project Manager. In January 2021 a fuel tanker truck caught on fire and damaged sections of the slab span bridge that carried I-20 over Bear Creek. This accident occurring on an interstate accelerated the repair project substantially. Heather, as the project manager, moved forward with getting the emergency declaration that allowed LADOTD to bypass the traditional bid process. Heather was responsible for the design and detail of the structural repairs needed to the piles which involved chipping down to sound concrete and then encasing the piles in a quick-cure, high-strength grout. There were options for above and below water work to ensure the repaired piles were protected in the splash zone.
02/20 - 03/23	SWING BRIDGE CYLINDER ANCHORAGE REPAIRS LADOTD Statewide, LA Structural Engineer. Heather worked on several small swing bridge repair projects across South Louisiana while working at the LADOTD in Section 51. It was not uncommon for the pivot pier anchorage points to fail due to age, fatigue, or an outside impact force. Over time this can become a much larger maintenance issue, so it's important to address these situations in a timely manner. Heather designed and detailed a repair method that involved complete breakout of the existing anchors and replaces them with slightly more robust steel angles and channel beam sections. All pier reinforcing continuity was re-established before new concrete was poured back in place.
01/20 - 05/23	BRIDGE MAINTENANCE PRECAST SLAB SPAN STANDARDS LADOTD Statewide, LA Project Manager. LADOTD's Bridge Maintenance section has two in-house construction crews that can handle a variety of complex construction projects including slab span spot replacements and at the time they were following an older standard plan that no longer met the MASH criteria that the Department had moved towards. Heather took on the role of designing a new set of Bridge Maintenance precast slab span standards which included the precast panels themselves as well as the precast bent caps. She worked closely with one of the prominent precast fabricators in the area to develop a precast panel that would be easily constructable while meeting the MASH criteria. Achieving the appropriate barrier rail crash requirements involved casting the single-slope barrier rail directly onto the exterior panel to create a structurally adequate slab span when coupled with high-strength concrete closure pours. These standards have been used by the bridge maintenance construction crews since 2021 without issue.
02/20 - 03/23	LOAD TESTING OF BRIDGES LADOTD Statewide, LA Project Manager. Occasionally, the results of a load rating may appear to conflict with the physical condition of the bridge due to conservative calculation assumptions. In those cases where it is desired that the load rating results be verified, load tests would be utilized to accurately measure the bridge's response to known loading. Detailed models can then be created and analyzed to determine the true load carrying capacity. Heather managed several of these load tests across Louisiana as situations arose. These tests involved lining up instrumentation installation prior to the work, traffic control, nearby material stockpiles to accurately load the test trucks, mobile weight scales, and consultant availability.
03/23 - 01/26	QUALITY ASSURANCE OF THE LADOTD BRIDGE INSPECTION PROGRAM LADOTD Statewide, LA Project Manager. As an Engineer 6 in Bridge Maintenance, Heather was responsible for the management of four QA bridge inspectors whose job it was to constantly monitor the quality of the collection and delivery of bridge inspection data statewide. The QA inspectors traveled often to their assigned Districts to help train local bridge inspectors and answer any questions from the team regarding the new SNBI policies and procedures. They were also tasked with performing QA field inspections to update or verify previously collected inspection data. Heather would assign these QA field inspections based on prevalent errors observed, outdated collection policies that were still being used, or simply to conduct a synthesis across the state to monitor for consistency.
03/23 - 01/26	UNDERWATER BRIDGE INSPECTION CONTRACT MANAGER LADOTD Statewide, LA Project Manager. Heather managed two \$6M Statewide Underwater Bridge Inspection IDIQ contracts that kept Louisiana compliant with the requirements of the NBIS. Consultants were required to inspect all assigned bridges on time or early based on the previous inspection date. The inspection reports themselves were required to be submitted to Heather within 60 days of the completion of the field work. She was responsible for reviewing and approving these reports within the 90 day window set forth in the NBIS. There was close communication with the consultants should any issues arise such as site hazards, bridge closures, or critical findings. In the event that an emergency inspection need to be performed, she would communicate with both consultants to determine which was available to complete the work in a timely manner. Throughout this process she was also handling several contract management tasks such as reviewing/approving invoices and completing past performance evaluations.

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Robert Smith, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	13	
TITLE	Senior Bridge Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	29	
DEGREE(S) / YEARS / SPECIALIZATION		MS 1983 Structural Engineering; BS 1982 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 42575 LA 9/30/2026		
YEAR REGISTERED	2018	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Robert has 42 years of experience in the design and management of structural systems. He has an excellent grasp of structural engineering principles, with an ability to develop solutions to non-typical situations in both traditional design-bid-build projects and design-build projects. He is skilled in finding problems and performing necessary change through project management or other methods. He maximizes resources to achieve client satisfaction and increased productivity, meeting deadlines and goals. Additionally, Robert is experienced in public speaking and executive management briefing. He is persuasive, with ability to communicate effectively with a culturally diverse audience. He is also experienced in Microstation, ConSpan, RCPier, MathCAD, Excel, FDOT Structures programs, PennDOT Structures Programs, Merlin-Dash, Descus-II, Shoring Suite, and Larsa 4D. Robert will provide STRUCTURAL ENGINEERING services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - 04/24	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD CONTRACT NO. H.011670 Kenner, LA Independent QC Manager. Robert oversaw independent design checks of all superstructure and substructure elements on this multi-million-dollar design-build project that improved access and traffic operations to and around the new Northfield Terminal at the New Orleans International Airport. The project consisted of a Diverging Diamond Interchange in addition to flyover ramps leading to/from the Airport on the east side of the interchange.			
06/09 - 02/11	DIXIE HIGHWAY FLYOVER DESIGN-BUILD FDOT DISTRICT 4 Broward County, FL Engineer of Record. EOR for superstructure design and post design services for the 1,398-foot long Dixie Highway bridge over FEC RR and Hillsboro Canal. Also responsible for Quality Control reviews for the NE 2nd Avenue bridge over Hillsboro Canal, the bulkhead retaining wall, and the MSE retaining walls. The project included the following structures: • Dixie Highway (CR 811) over FEC RR and Hillsboro Canal is a 1,390-foot long curved steel box-girder bridge with an S-Curve alignment. The superstructure is comprised of curved steel box girders with integral steel box girder diaphragms, and is a single eight-span unit (104', 130', 3 at 160', 2 at 209', 2 at 200', 218'). The bridge carries two lanes for both NB and SB traffic, as well as bicycle lanes and sidewalks. The total width is 91'-2", with a bridge area of 126,720 SF. • NE 2nd Avenue over Hillsboro Canal is a 215-foot long FIB girder bridge, 37'-2" wide (7,990 SF). • Steel box girder pedestrian bridge over Hillsboro Canal. This bridge was designed as a single span with fixed supports to control the natural frequency. • Numerous retaining walls, including MSE walls and two sheet pile bulkhead walls along the canal.			
07/08 - 05/09	TURNPIKE WIDENING FROM HEFT TO JOHNSON STREET FINAL DESIGN FLORIDA'S TURNPIKE ENTERPRISE Broward County, FL Senior Structural Engineer. Responsible for designing the superstructure of a two-span continuous curved steel box girder bridge carrying Ramp A2 over Florida's Turnpike in Broward County. The bridge cross-section is comprised of three six-foot-deep steel box girders. The bridge is located on a horizontal curve with a 353-foot radius. The tight radius, coupled with a skewed pier and unbalanced span lengths of 148 feet and 211.5 feet, complicates the design significantly.			
08/12 - 01/16	HOMESTEAD EXTENSION OF FLORIDA'S TURNPIKE (HEFT) (SR-821) NORTH OF BIRD ROAD (SW 40TH STREET) TO SR 836, RFP DEVELOPMENT FLORIDA'S TURNPIKE ENTERPRISE Miami-Dade County, FL Engineer of Record. Responsible for review and load rating of existing structures and conceptual design of widenings, replacement bridge carrying Coral Way (SW 24th Street) over HEFT and two new continuous steel plate girder connector ramp bridges; evaluation of retaining walls and sound barrier walls. The purpose of this project is to develop an RFP to allow the FTE to advertise for procurement of Design/Build services for final design and construction of this project.			
06/09 - 04/10	I-595 CORRIDOR ROADWAY IMPROVEMENT PROJECT (ZONE 5) FDOT DISTRICT 4 Broward County, FL Senior Structural Engineer. Responsible for QC review of structure designs and plans within Zone 5 of project (Pine Island Road to west of University Drive). Four bridges were included in this section: • I-595 Express over Pine Island Road – a new 336-foot long (89'-158'-89'), three span continuous steel plate girder bridge • Ramp K2 over Pine Island Road – a new 408-foot long (125'-158'-125'), three span continuous steel plate girder bridge • Pine Island Road over North New River Canal – widening of an existing hollow-core precast flat slab bridge to provide improved turning radii at the intersection with SR 84. • I-595 EB Widening over Pine Island Road – widen existing 336-foot long (89'-158'-89'), three simple span steel plate girder bridge.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Carl Gaudry, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	1	
TITLE	Senior Bridge Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	17	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2011 Civil Engineering // BS 2007 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 37365 LA 3/31/2027		
YEAR REGISTERED	2012	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Carl has over 17 years of experience working for LADOTD Bridge Design section. As a former employee of DOTD Bridge Design, the first 14.5 years had Carl serving as the Bridge Design Task Manager on many DOTD projects, both in-house design or consultant designed. The last 3 years of Carl's career at LaDOTD had him take on the role as DOTD's Road and Bridge Safety Hardware manager, serving as the department's expert on guardrail and end terminals, bridge rails, roadway barriers and breakaway structures. This role's responsibilities included oversight roadside and bridge safety (Standard Plans, specifications, policies and design waivers on projects) across the state of Louisiana, reviewing all overhead sign structure projects, and managing various urgent structural repair projects. Carl will serve as DEPUTY PROJECT MANAGER and will provide BRIDGE services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/22 - 12/25	US 190: US 61 OVERPASS INT. REPAIRS LADOTD East Baton Rouge Parish, LA LADOTD Project Manager from the start of the project to the end of the construction contract. Project called for the strengthening of the existing concrete girders (circa 1930s) with Fiber Reinforced Polymer (CFRP). He managed the project for the department, oversaw plan development by the design consultant, and processed proposed updates to the NS-item specifications (special provisions to the contract). While most submittals related to the FRP system went to the design consultant, he provided reviews of the Structural Concrete Patching material for compliance with the LSSRB 2016 specs and the NS-item specs.			
07/20 - 12/25	I-12: US 61 BRIDGES GIRDER REPAIRS LADOTD H.014591 East Baton Rouge Parish, LA LADOTD Project Manager from the start of the project until he left DOTD. Project started after the bridge was struck by an over-height load. The first task on this project was to have the design consultant perform a preliminary engineering assessment to determine the scope of repairs to both the recently impacted location and the remaining spans which have been impacted over the years. Once the scope of the project was restricted to heat straighten the most recent impact and the design phase started, another 2 spans were struck in 2024 around the time the project reached 95% Final Plans. The scope of the project was expanded to fix the remaining spans, for a total of four spans over traffic. Carl left the department before the design work for the additional spans could begin.			
03/16 - Ongoing	US HWY 190 (US 61X) CORRIDOR ENHANCEMENT SEGMENT 2 (FLORIDA BLVD) City of Baton Rouge Baton Rouge, LA Structural Designer. Designed three (3) under-pavement catch basins with curb-opening inlets. Designs combined the drainage structure concepts from DOTD's standard plans CB-06 (curb opening catch basin), CB-08 (double combination curb opening catch basin), and CB-09 (Trunkline under pavement catch basin).			
01/08 - 02/15	LA 514 GRAND BAYOU BRIDGE LADOTD H.001756 (100-01-0021) Red River Parish, LA LADOTD Bridge Design Task Manager responsible for the delivery of the Bridge Plans. Project was an in-house design project utilizing some of the slab span standard plans: design of curved, superelevated slab span bridge using the AASHTO LRFD 4th edition with 2009 interims; design/detail of bridge general plan per LADOTD Bridge Design Manual and AASHTO Green Book; and design of Guardrail in accordance with AASHTO RSDG 3rd edition and LADOTD GR-200 Standard Plan. At the end of plan development, Carl was responsible for bridge quantities and construction cost estimates. During construction, he performed construction related engineering services tied to the implementation of the plans and specifications, such as requests for information for clarification of the contract documents.			
01/12 - 01/23	LA 392 BRIDGES NEAR HORNBECK LADOTD H.001881 Vernon Parish, LA LADOTD Bridge Design Task Manager/Project Manager. Initially the Project Manager, but due to restructuring of DOTD Bridge Design which created a Project Management unit (2020), I became the Bridge Design Task Manager for the project. As the PM, I developed the Stage 0 study, oversaw the development of the preliminary plans, and participated in the design checking of the Bridge preliminary plans. Around 98% Final Plans, project management duties were transferred to the Bridge Design Project Management unit.			

01/08 - 09/12	US 80 BLACK LAKE BRIDGE LADOTD H.000127 (001-06-0048) Bienville Parish, LA LADOTD Bridge Design Task Manager. Task Manager responsible for the delivery of the Bridge Plans. This project was an in-house design project utilizing some of the slab span standard plans: design of skewed bent cap with 24" diameter piles using AASHTO LRFD 4th Edition with 2009 interims; design/detail of bridge general plan per LaDOTD Bridge Design Manual and AASHTO Green Book; and design of Guardrail in accordance with AASHTO RSDG 3rd edition and LADOTD GR-200 Standard Plan. At the end of plan development, Carl was responsible for the bridge quantities and construction cost estimates. During construction, performed construction related engineering services tied to the implementation of the plans and specifications, such as requests for information for clarification of the contract documents.
01/13- 01/15	LA 1077: BLACK BAYOU BR NEAR MADISONVILLE LADOTD H.008358 St. Tammany Parish, LA LADOTD Bridge Design Task Manager/Project Manager. Initially the Project Manager, but due to restructuring of DOTD Bridge Design which created a Project Management unit (2020), I became the Bridge Design Task Manager for the project. As the PM, I developed the Stage 0 study, oversaw the development of the preliminary plans, and participated in the design checking of the Bridge preliminary plans. Task Manager responsible for the delivery of the Bridge Plans. This project was an in-house design project, requiring full design of bridge plans using AASHTO LRFD 4th edition with 2009 interims: design elements included slab spans, Pile Bent Caps, and span anchor plates per AASHTO LRFD; design/detail of bridge general plan per LaDOTD Bridge Design and Evaluation Manual and AASHTO Green Book; and design of Guardrail in accordance with AASHTO RSDG 4th edition and GR-MASH-ON Standard Plans. At the end of plan development, I was responsible for the bridge quantities and construction cost estimates. As Task Manager during the construction phase, I provided construction related engineering services, such as RFI responses and review of elastomeric bearing pads, span anchor plates, and detour bridge shop drawings in accordance with the Louisiana Standard Specifications for Roads and Bridges 2006 and the construction plans.
01/08 - 07/13	LA 835 BRIDGES LADOTD H.001756 H.005529 (834-07-0017) LA LADOTD Bridge Design Task Manager. Task Manager responsible for the delivery of the Bridge Plans. This project was an in-house design project utilizing the slab span standard plans requiring the design/detail of bridge general plan per LADOTD Bridge Design Manual and AASHTO Green Book; and design of Guardrail in accordance with AASHTO RSDG 3rd edition and LaDOTD GR-200 Standard Plan. At the end of plan development, Carl was responsible for the bridge quantities and construction cost estimates. During construction, performed construction related engineering services tied to the implementation of the plans and specifications, such as requests for information for clarification of the contract documents. He served as DOTD Project Manager under the department's mainframe database tracking of projects (TOPS) system, until the department upgraded their system to the SAP Project Systems in 2011. Under Project Systems, a Licensed professional engineer (PE) was required to be a project manager, which I did not receive until August 2012.
01/08 - 03/12	LA 3051 DRAINAGE CANAL BRIDGES LADOTD H.005530 (834-17-0006) Morehouse Parish, LA LADOTD Bridge Design Task Manager. Task Manager responsible for the delivery of the Bridge Plans. This project was an in-house design project, requiring full design of bridge plans using AASHTO LRFD 4th edition with 2009 interims: design elements included Quad Beam girders, Pile Bent Caps, and Continuous Deck Spans per AASHTO LRFD; design/detail of bridge general plan per LADOTD Bridge Design Manual and AASHTO Green Book and design of Guardrail in accordance with AASHTO RSDG 3rd edition and GR-200. At the end of plan development, Carl was responsible for the bridge quantities and construction cost estimates. Project Manager at DOTD under the department's mainframe database tracking of projects (TOPS) system, until the department upgraded their system to the SAP Project Systems in 2011. Under Project Systems, a Licensed professional engineer (PE) was required to be a project manager. During construction, performed construction related engineering services tied to the implementation of the plans and specifications, including fabrication shop drawing review (girders and end dams) and requests for information for clarification of the contract documents.
01/13 - 05/21	LA 175 KCS RAILWAY OVERPASS LADOTD H.001073 DeSoto Parish, LA LADOTD Bridge Design Task Manager - Construction Phase. During the design phase, Carl provided the design check for the end and intermediate bent caps. He took over role of Task Manager for this project after the design engineer left LADOTD, during construction. Provided construction related engineering services, such as RFI responses; review of Steel Panel detour bridge and precast cap shop drawings in accordance with the Louisiana Standard Specifications for Roads and Bridges 2006 and the construction plans; and processing a change order for the vertical alignment affecting the bridge general plan.
01/14 - 01/25	LA 410 - BLACKWATER BAYOU BRIDGE LADOTD H.007963 East Baton Rouge Parish, LA LADOTD Bridge Design Task Manager, Project Manager. Initially the Project Manager, but due to restructuring of DOTD Bridge Design which created a Project Management unit (2020), I became the Bridge Design Task Manager for the project. As the PM, I developed the Stage 0 study, oversaw the development of the preliminary plans, and participated in the design checking of the Bridge preliminary plans. Task Manager responsible for the delivery of the Bridge Plans. This project was an in-house design project, requiring partial design of bridge plans using AASHTO LRFD 7th edition to design the bridge approach slab on one end of the bridge and span anchor plates per AASHTO LRFD; design/detail of bridge general plan per LaDOTD Bridge Design and Evaluation Manual and AASHTO Green Book 6th edition; and design of Guardrail in accordance with AASHTO RSDG 4th edition and GR-MASH-ON Standard Plans. At the end of plan development, I was responsible for the bridge quantities and construction cost estimates.

FIRM EMPLOYED BY		Stantec Consulting Services Inc.			
NAME	Bagyalakshmi "Bagya" Shanmugam, PhD, EI		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		3
TITLE	Bridge Engineer		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		2.5
DEGREE(S) / YEARS / SPECIALIZATION		PhD 2011 Civil Engineering; MS 2003 Structural Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		EI No. 0035308 LA 3/31/2027			
YEAR REGISTERED	2022	DISCIPLINE	Civil Engineering		
Contract role(s) / brief description of responsibilities	Bagya has five years' experience as a structural design engineer. Her skill set involves analyzing, designing, inspecting and load rating of various types of bridge structures. She also has experience in analyzing and designing temporary steel shelters and ITS structures and their foundations. She is well versed in AASTOWARE BrR, CONSPAN, FBmultiplier, RC Pier, STAAD-pro, MDX and CSI. Bagya will provide STRUCTURAL ENGINEERING services for this contract.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/24 - Ongoing	BASCULE LOAD RATING CONTRACT Mississippi DOT Load Rating Engineer. Stantec is responsible for developing a methodology to load rate bascule bridges in Mississippi and to use the developed methodology to load rate three bridges. Bagya developed an AASHTOWARE BrR model and CSIBridge model of one of the bascule bridges and compared the rating factors. Her responsibilities include proposing a methodology to obtain load rating factors of bascule bridges, load rating all three bridges and submitting load rating reports.				
08/25 - 09/25	SR 305 LIGHTING POLE FOUNDATION DESIGN Mississippi DOT Desoto County, MS Engineer in Training. Bagya designed the foundation for low mast lighting pole and reviewed the foundation detail sheets for the pole and service rack.				
06/24 - 12/24	NICHOLSON AND WATER STREET SIGNAL PROJECT City of Baton Rouge, LA Engineer in Training. As part of this project, foundation of a dual arm DMS signal pole was designed according to the City of Baton Rouge standards, LADOTD specifications and AASHTO LRFD LTS. Bagya developed a spreadsheet to calculate the load (axial, shear, moment and torsion) on dual arm signal pole and to design its foundation using FBmultiplier.				
09/24 - 01/25	BRIDGE INSPECTIONS AND LOAD RATINGS WA5 - WA7 TX Engineer in Training. This project involved checking inspection reports and load rating calculations of bridge structures from three districts according to the latest NBIS based on SNBI. Bagya reviewed on-system and off-system bridge inspection reports and load ratings from eight different sub-consultants to ensure consistency between reports being submitted. She also reviewed Stantec inspection reports.				
05/24 - 07/24	TXDOT LOAD RATING (WA4) TX Engineer in Training. Stantec was requested by TxDOT to perform an independent check of the load rating of a curved steel bridge structure in accordance with MBE and AASHTO standards. The structure comprised of curved steel girders framing into steel cap at the intermediate bent. The cap was supported by rotational bearings free to rotate longitudinally along the bridge. To simplify the bridge analysis process, Bagya built an MDX model of the superstructure. Rotational stiffness of the intermediate support in MDX was calculated by building a CSI bridge model of the intermediate support. MDX was used to calculate rating factors.				
12/22 - 08/23	SR 16/ SR 149 FLOODWAY CHANNEL YAZOO RIVER (BRIDGE NOS. 210.9, 211.1 & 211.8) Project No.STP-0037-04(059)/ 107397-101100 MS Engineer in Training. The project consists of designing three bridges across Yazoo River in Mississippi. Bagya designed the substructure and superstructure of the two prestressed bridges and one steel bridge per AASHTO and MDOT Bridge design manual. Superstructure design involved load calculations, deck design, prestressed girder design, steel plate girder design, elevation calculations, intermediate and abutment bent design, back wall design, bearing design, joint width calculation and foundation design and as-design load rating of the bridge and estimating summary of quantities. AASHTO Bridge Rating Software, RCPier, MDX, FBMultiplier and MS-excel software were utilized.				
03/24 - 06/25	SR 28 OVER PEARL RIVER REPAIRS Mississippi DOT Copiah and Simpson Counties, MS Engineer in Training. Project included the inspection and repair of a steel through truss that was damaged due to an oversized vehicle impact. When the damage occurred, MDOT requested Stantec to perform a damage inspection to determine the extents of required rehabilitation. Stantec completed the initial inspection and coordinated the hands-on inspection just one week after the impact. Repair plans were developed using the inspection findings. Truss members were replaced in-kind. Stantec reviewed contractor shop drawings and temporary support design for each phase of construction.				

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Michael "Mickey" Harrison, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	6	
TITLE	Senior Structural Project Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	40	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1979 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 28313 LA 09/30/2027		
YEAR REGISTERED	1999	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Mickey has 46 years of experience in managing, repairing and rehabilitating, designing and construction of bridges, complex bridges and movable highway and railway bridges. His extensive experience includes the design/rehabilitation of large complex highway and railroad bridges, including trusses, thru-plate girder, and long-span steel structures. Work experience includes developing plans, preparing specifications, developing reports, performing field inspections, condition reports, reviewing plans, reviewing as-builts and preparing as-builts. Construction experience includes resident engineering, installation assistance for structural, inspections, permits, and construction administration. Designs for critical structures are configured for redundancy and redundant methods of operation. He has worked with numerous public and private clients, Highway Departments, Class I Railroads, and short-line. For railroad clients, the performance of contractor safety reviews and compliance reviews, on-site resident services, constructability reviews, staging and coordination with groups and agencies, project safety plan and development, review of contractor marine operations and maritime work efforts. Mickey will serve as MOVABLE BRIDGES-STRUCTURAL TASK LEAD for this contract. He meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 7			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/20 - Ongoing	COOS BAY RAIL BRIDGE ENGINEERING SUPPORT SERVICES Oregon International Port of Coos Bay Coos Bay, OR Senior Movable Bridge Engineer/Engineer of Record. Rehabilitation of three different 100-year old swing span bridges (North Bend, Umpqua, and Siuslaw), including over 350 repair and/or replacement locations on the three bridges upgrading the load ratings as part of a BUILD Grant award. Reedsport (the Umpqua swing span) is a mechanical repair for damaged gear and shaft. The investigation of this bridge also determined that one of the motors is bad and is now being replaced. Other structural aspects include a mixture of trusses, thru-plate girders, and steel plate girders on Wildcat Creek and Vaughn Viaduct Bridges. The Wildcat Creek Bridge includes structural steel rehabilitation to make 240 necessary repairs to improve load rating. The Vaughn Viaduct Bridge, a 100- year old 80-foot steel tower span, is being rehabilitated and some portions completely replaced. Our team is rehabilitating the substructure (by strengthening the tower legs, replacing the bracing, and upgrading the load rating of the bridge) and replacing the superstructure (rail, ties, and girders).			
03/20 - Ongoing	SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY (SFRTA) RAILROAD BRIDGE ENGINEERING SUPPORT SERVICES FOR CONTRACTOR TRANSDEV RAIL SFRTA Miami, FL Senior Movable Bridge Engineer. SFRTA operates over 100 miles of commuter rail lines in South Florida. Acting as a subconsultant, Stantec provides bridge inspection and engineering assistance on all railroad bridges and conducts a review of overhead bridges along the rail lines. The rail line includes two bascule bridges (New River and Miami Canal). Mickey performs a Mechanical and Electrical inspection of these two bridges. Our team completes monthly walk-thru in and annual detailed inspections. Complete detailed bridge inspection reports are provided and maintained as required by FRA. The inspection reports also include recommendations for repairs and/or rehabilitation. Stantec has performing detailed inspections sufficient to load rate the bridges.			
04/16 - 09/18	SAULT STE. MARIE MECHANICAL AND ELECTRICAL UPGRADES TO THREE MOVABLE BRIDGES Canadian National Railway Ontario, CA Project Manager. Rehabilitation of three side-by-side movable spans, two in Michigan, one in Canada. The bridges include a double-leaf heel trunnion bascule span, a swing span and a vertical lift span. Project is the complete renovation of the mechanical system, electrical system, deck replacement, structural repairs, and structural work related to the equipment being installed. Construction management and inspection included site inspection, equipment installation tolerance review, project staging to complete the work during the winter operational shutdowns in USACE's lock and dam system on the St. Mary's Canal. The project staging was developed during the design to allow the new equipment to be installed while the existing equipment was operational. New equipment was tested and installed with the previous equipment in place to operate the span during the operational testing period. The span was critical for cargo transported between the US and Canada. Staging was set up to maintain rail operations throughout the construction period. Field monitoring and full-time project site staffing were a part of the engineering effort for CN.			

01/20 - 12/21	CP BRIDGE MP 283.37 MECHANICAL UPGRADES Canadian Pacific Railway La Crescent, MN Lead Design Engineer. Lead Engineer/Inspector for a moveable railroad swing bridge over the Mississippi River. He performed a mechanical and electrical inspection of the bridge. Findings included a need to replace mechanisms and structural supports on each end of the span; and upgrade the rail lift machinery to enhance the operation reliability of the swing span.
07/20 - 04/21	R.J. CORMAN - CLARKSVILLE SWING SPAN BRIDGE ELECTRICAL UPGRADES Koppers Railroad Structures Clarksville, TN Lead Design Engineer/Engineer of Record. The project goal was to allow the railroad to remotely open/close the span. The equipment transition from an old gasoline engine, that needed to be operated on the bridge, to an electrical motor, that could be operated either on the bridge or from a remote control station. The four project components (to transition the bridge from manual to automated operation), included a new motor, a new reducer, a remote control station, and new motor controls. Design included retaining existing gasoline engine for use as a manual backup to operate the swing span. Phase 1 work included being able to operate the swing span from the east approach. Phase 2 design was completed to permit operation of the entire span. Mickey facilitated the installation of new electrical Phase 1 equipment including added motors, reducer, coupling, and startup of electrical controls.
01/15 - 09/18	MOVABLE BRIDGE REVIEW SERVICES FOR THE NORWALK RIVER (WALK) BRIDGE REPLACEMENT Connecticut DOT Norwalk, CT Senior Structural Engineer. Responsible for the independent peer review of structural plans, computations, and specifications representing the interests of the owner for this high-priority railroad movable bridge replacement project. This historic swing bridge is being replaced under the Department's first project using the CMGC delivery method. Review services include code compliance and cooperation with the owner to ensure that the design provided as part of the CMGC process meets the client's satisfaction. Directly responsible for management of project including structural, mechanical, electrical and architectural review services for the movable span superstructure.
04/01 - 12/10	MOVABLE BRIDGE ON-CALL CONTRACT Virginia DOT Statewide, VA Project Manager/Engineer of Record. Responsible for managing a team as part of a \$2 million per year, 3-year statewide on-call contract to prepare plans and specifications for 13 movable bridges and provide inspection services. Among the projects was the Gilmerton Bridge, a vertical lift bridge in Chesapeake, VA, for which an independent quality control (QC) review of the entire project, including structural, foundations, mechanical, electrical, and the movable span. Oversaw all work on the vertical lift portion of the bridge and was directly responsible for the technical QC review of the mechanical and electrical aspects. For the overall on-call contract, the full team also responded to emergency calls, conducted field inspection, prepared reports, and coordinated with mechanical and electrical inspections. Under his leadership, the team created a Movable Bridge Information System (MBIS), which supports VDOT's movable bridge program's emergency response procedures. The contract also involved the coordination of permits with the U.S. Coast Guard.
02/15 - 10/16	MOVABLE BRIDGE ASSESSMENTS: MOORE HAVEN SWING & PORT MAYACA VERTICAL LIFT BRIDGES South Central Florida Express (SCFE) Clewiston, FL Inspection Manager. Inspection Manager for the assessment of two movable structures for the South Central Florida Express Railroad. Responsible for field inspection of the span operation, operating equipment evaluation and assist the railroad with minor repairs and operational improvements. Operational systems were fully tested and demonstrated during the assessment. This is part of the Railroad's preventative maintenance program. Railroad is responsible for hauling all sugar cane processed by US Sugar in Florida.
01/18 - 12/19	CBRL - NORTH BEND BRIDGE Oregon Project Manager. Project Manager for emergency inspection & emergency repair to mechanical and electrical systems on a century old swing span. The swing span during operation suffered a failure of the columns over the pivot pier. The structural failure of the columns allowed the ends of the span to sag over a foot. The span was returned to the pivot pier and underwent extensive structural repairs. During the structural repairs, the machinery was examined. Machinery supports were damaged. Reinforcement to the machinery supports, electrical systems were extensively investigated, repaired to restored the span to service. Span balancing was required and eyebars shortening to achieve desired elevation of the span for operation. Task included field observation during construction and while returning the span to operational status.
05/13 - 06/16	DES ALLEMANDS SWING BRIDGE (BNSF BRIDGE 32.06) REHABILITATION BNSF Railway Company Des Allemands, LA Resident Engineer. Responsible for all aspect of construction of the new swing span. Tasks included monitoring of construction, performing safety inspections of the site and evaluations of the contractor, project change orders, RFIs, scheduling, project change out, as well as coordination with environmental agencies and local jurisdictional authorities. Staging design to remove and replace the swing span and install the new swing span and operate trains in 108 hours to maintain Amtrak service. Project included rehabilitation of the foundations, design of the new rest pier caps, rehabilitation of the swing span pivot pier. Swing span pivot pier designed with internal steel framing to transfer live loads to the existing foundation while placing the dead load of the new heavier swing span on micropile foundations, part of the pivot pier rehabilitation. Design also included mechanical equipment, new electrical system capable of operated remotely, electrical design included use of a PLC controls with manual operation available on the swing span. The design enhanced wedge operation to manage the stiff thru plate girder to prevent unloading the wedges with the locomotive on the swing span.

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Ryan Nataluk, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	19	
TITLE	Vice President/Bridge Inspector Discipline Leader	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	9	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1997 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 37837 CO 10/31/2027		
YEAR REGISTERED	2003	DISCIPLINE	Civil Engineering; NBIS Certified Team Leader; SPRAT Level I	
Contract role(s) / brief description of responsibilities	Ryan has 28 years of extensive experience in the inspection of highway and rail bridges per the National Bridge Inspection Standards (NBIS) using the National Bridge Inventory (NBI) and AASHTO Element Level NBE coding systems, as well as per AREMA standards. He has worked for a variety of Departments of Transportation and private clients performing inspections on all types of concrete, steel, and timber bridges with main spans reaching 800 feet. In his career, he has performed and managed staff for more than 25,000 routine, fracture critical, in-depth, damage, and initial bridge and overhead sign inspections in 16 states and Canada. Ryan is skilled in load rating of steel, concrete, and timber structures and is versed in the nondestructive testing of concrete, steel, and timber members using a variety of methods. Ryan will provide BRIDGE INSPECTION services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/20 - 11/22	BRIDGE INSPECTION AND LOAD RATING FOR LOCAL PUBLIC AGENCY AND PRIVATELY OWNED BRIDGES North Dakota DOT Statewide, ND Project Manager and QA/QC Engineer. Ryan was responsible for timely, high-quality deliverables on this two year project consisting of approximately 450 inspections and load ratings per year. While coordinating this effort with bridge inspectors spanning several Stantec offices, he performed QA field reviews, QC of written reports, and instructed the inspection staff of his findings to confirm consistency throughout the reporting and documentation process. Reports for this project are written in the field on iPads utilizing InspectX software.			
08/07 - Ongoing	ON + OFF-SYSTEM BRIDGE INSPECTIONS Colorado DOT Statewide, CO Project Manager. Ryan leads bridge inspection, load rating, and scour analysis services for approximately 4,900 off-system bridges in 64 counties and over 100 cities across Colorado per the National Bridge Inspection Standards (NBIS). He's responsible for routine, fracture critical, and special damage inspections on bridges and culverts greater than 20 feet in clear span. Performed field inspections in accordance with all CDOT, FWA, NBIS, SPRAT and OSHA guidelines and requirements. Confined space entry protocol and Non-Destructive Testing methods are commonly used during these field inspections. In 2014, he collected CoRE Element data for structure components via Pontis with transition to new National Bridge Elements (NBE) via AASHTOWare Bridge Management (BrM). Collects inventory and inspects newly constructed bridges performed at the request of CDOT. Load ratings are performed using the AASHTOWare Bridge Rating program and per the CDOT Bridge Rating Manual. All scour analyses are performed per the FHWA's HEC 18: Evaluating Scour at Bridges. Final bridge reports are submitted. In-depth elemental reporting includes recommendations for maintenance, replacement and/or repair, sketches, photographs, and streambed measurements.			
09/12 - Ongoing	BRIDGE INSPECTION AND ANALYSIS SERVICES Nevada DOT Statewide, NV Project Manager/Sr. Team Leader. Responsible for routine and fracture critical inspections per NBIS. Through two consecutive four-year contracts, Stantec inspected nearly 1,000 bridges per year, including routine, fracture critical, access required, damage, and tunnel inspections per NBIS and NTIS. Additional services included non-destructive testing using magnetic particle, dye penetrant, ground penetrating radar, infrared, impact echo, and sounding. 30 load ratings were completed on as-needed basis. Approx. 150 require specialized access and/or confined space entry either by UBIV or SPRAT certified rope access. Collected inspection data electronically.			
05/16 - 12/16	US 82 OVER MISSISSIPPI RIVER IN-DEPTH BRIDGE INSPECTION MDOT Greenville, MS Assistant Project Manager and Field Team Leader. Ryan was the assistant PM and field team leader for the in-depth, fracture critical and element level inspection of the US Route 82 over the Mississippi river between Chicot County, AR and Washington County, MS. The scope included performing a routine element level inspection using the National Bridge Elements, a fracture critical inspection of the main river span floor systems including edge girders and floor beams, an in-depth hands-on SPRAT access inspection of all 112 stay cables.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Dominick DeJohn, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	3	
TITLE	Senior Civil Engineer, Underwater Diver	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	9	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2013 Civil and Environmental Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 43704 LA 3/31/2028		
YEAR REGISTERED	2019	DISCIPLINE	Civil Engineer; Commercial Diver #60664	
Contract role(s) / brief description of responsibilities	Dominick is a bridge engineer and commercial diver at Stantec with experience in condition inspections and construction inspections. At his previous company, KCI, he worked as a professional engineer performing inspections on several bridges and waterfront structures throughout the United States and at the start of his career, he worked for the Louisiana DOTD as a Civil Engineer in Training and as a construction inspector on a bridge replacement project and a roadway-widening project, as well as levee projects and a floodgate project, in the South Louisiana area. Training: Commercial Diver Training, 2024; Bridge Inspection Refresher Training (SNBI), NHI, 2019; Underwater Bridge Inspection, NHI, 2020. Dominick will provide UNDERWATER BRIDGE INSPECTION services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
03/23 - Ongoing	ROUTINE AND UNDERWATER BRIDGE INSPECTION Kentucky Transportation Cabinet (KYTC) Frankfort, KY Professional Engineer Team Leader / Inspection Diver. The project required in-depth underwater and routine inspections on several statewide bridges. The bridges mainly consisted of reinforced concrete or timber piles. The inspections conformed to KYTC's "Bridge Inspection Procedures Manual" which is based on the FHWA Nation Bridge Inspection Standards and the Specifications for National Bridge Inventory (SNBI). Dominick served as team leader and inspection diver, and prepared the inspection reports assigned to this project. The divers utilized the most cost-effective equipment pertaining to the field conditions (SCUBA, Surface Supplied Air, etc.).			
07/23 - 07/23	UNDERWATER BRIDGE INSPECTION Wisconsin DOT (WisDOT) Eau Claire, WI Professional Engineer Team Leader / Inspection Diver. The project required in-depth underwater inspections on several statewide bridges. The bridges mainly consisted of reinforced concrete. The inspections conformed to WisDOT's "Structure Inspection Manual" which is based on the FHWA Nation Bridge Inspection Standards. Dominick served as team leader and inspection diver and prepared the inspection reports assigned to this project. The divers utilized the most cost-effective equipment pertaining to the field conditions (SCUBA, Surface Supplied Air, etc.).			
01/21 - 05/22	RAILROAD BRIDGE INSPECTION Norfolk Southern Various Locations, Nationwide Professional Engineer Team Leader / Inspection Diver. The project required in-depth underwater inspection on several nationwide railroad bridges. The bridges consisted of steel H-piles, steel pipe piles, reinforced concrete pier walls, and masonry pier walls. An Ultrasonic Thickness gauge was utilized to measure the remaining thickness on the steel H-piles and steel pipe piles. The inspections conformed to FHWA Nation Bridge Inspection Standards. Dominick served as team leader and inspection diver, and prepared the inspection reports assigned to this project. The divers utilized the most cost-effective equipment pertaining to the field conditions (SCUBA, Surface Supplied Air, etc.).			
03/18 - 10/22	UNDERWATER & LOW CLEARANCE BRIDGE INSPECTIONS Maryland State Highway Administration Statewide, MD Team Leader / Inspection Diver. The project required in-depth underwater and low clearance inspections on several statewide bridges. The bridges mainly consisted of reinforced concrete or timber piles. The inspections conformed to DelDOT's "Bridge Element Inspection Manual" which is based on the FHWA Nation Bridge Inspection Standards. Dominick served as team leader and inspection diver and prepared the inspection reports assigned to this project. The divers utilized the most cost-effective equipment pertaining to the field conditions (SCUBA, Surface Supplied Air, etc.).			
03/18 - 05/21	ROUTINE AND UNDERWATER BRIDGE INSPECTION LADOTD Project No. H.015636 Iberville Parish, LA Team Leader / Inspector Diver. The project required routine and underwater inspections on several statewide bridges. The bridge types consisted of reinforced concrete, prestressed concrete, and steel members. The team conducted inspections following the Maryland manual for bridge inspections and the FHWA National Bridge Inspection Standards. Dominick served as team leader and inspection diver and prepared the inspection reports assigned to this project. The divers utilized the most cost-effective equipment pertaining to the field conditions (SCUBA, Surface Supplied Air, etc.).			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Robert Catron, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	15	
TITLE	Bridge Inspection Team Leader	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	1	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2013 Civil Engineering; BS 2012 Civil Engineering; BA 2009 Mathematics		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 32481 KY 6/30/2027		
YEAR REGISTERED	2017	DISCIPLINE	Civil Engineering; NBIS Certified Team Leader; SPRAT Level III	
Contract role(s) / brief description of responsibilities	Robert is experienced in the plan preparation and design of highway bridges, culverts, and retaining structures. His structural design experience includes various types of prestressed concrete bridges, steel welded plate girder bridges, reinforced concrete culverts, and various foundation systems. Robert is responsible for preliminary and final design, preliminary and final quantity estimates, and plan and specification preparation (including bridge repairs and retrofits). In addition to design, Robert has assisted with the inspection of interstate and river bridges. He is a certified NBIS Team Leader and has completed SPRAT Level III training as a rope access technician. Robert will provide BRIDGE INSPECTION services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/19 - Ongoing	MISSISSIPPI COMPLEX BRIDGE INSPECTIONS AND LOAD RATINGS Mississippi Office of State Aid Road Construction Statewide, MS Bridge Inspector/Rope Access Team Member. Robert is responsible for assisting in the NBI in-depth inspection of two river bridges; bridges 105 and 150. The bridges were two and three span through trusses over the Yazoo River with 150 ft main spans. Conventional and rope access techniques were utilized to get within arm's reach of all primary and secondary members. The inspection was complicated by a shallow floor system that required the utilization of beam rollers to gain access. The inspection was element level.			
03/24 - Ongoing	SR 28 OVER PEARL RIVER BRIDGE REPAIRS MDOT Copiah & Simpson Counties, MS Bridge Inspector/Rope Access Team Leader. Emergency repair of a damaged 550-ft three-span steel through truss bridge. Robert performed the inspection of the damaged truss members and assisted with the report development. Several truss members were damaged during a vehicle impact resulting in bridge closure until repairs can be completed. The inspection was performed one week after impact and repair plans were completed in six weeks.			
01/16 - Ongoing	SILVER MEMORIAL BRIDGE INSPECTION West Virginia DOT Point Pleasant, WV Bridge Inspector/Rope Access Team Member. Responsible for assisting in the interim inspection of the Silver Memorial Bridge. The bridge is a five-span, 1,950-foot long structure consisting of two approach girder spans and a three-span, cantilever, through truss with a center pin and hanger supported drop-in section. Rope access techniques were used to avoid the need for mechanical equipment, traffic control, or traffic disruptions.			
06/17 - 10/17	VICKSBURG OLD HIGHWAY 80 DETAILED BRIDGE INSPECTION AND LOAD CAPACITY RATING Vicksburg Bridge Commission Vicksburg, MS Rope Access Inspection Team Member. Assisted with detailed bridge inspection. The bridge was built in 1930 and carries one mainline track used daily by Kansas City Southern Railroad and a highway deck closed public traffic. The bridge is 1.6 miles long and consists of 122 steel spans of multiple types, including through-truss, deck truss, and deck girders. The inspection was performed as part of a load rating analysis.			
08/20 - 09/20	SHENANDOAH RIVER BRIDGE IN-DEPTH INSPECTION West Virginia DOT Jefferson County, WV Bridge Inspector/Rope Access Team Leader. Responsible for the In-Depth Inspection of the Shenandoah River Bridge carrying WV 9 over the Shenandoah River. The structure consists of seven total spans, with the first two being continuous steel welded plate girder approach spans, and the remaining five being continuous steel welded plate girder delta-frame main spans (CSRF). The upper delta legs, approach spans, Abutment 2, and Piers 1 and 2 were inspected with a Under Bridge Inspection Truck. The deck underside, floor system, lower delta legs, and river piers were inspected via rope access. The deck topside and Abutment 1 were inspected from the ground.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Tyler Carson, EI	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	9	
TITLE	Bridge Inspector	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2017 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		EI No. 74120 CO N/A		
YEAR REGISTERED	2017	DISCIPLINE	Civil Engineering; Certified Remote Pilot with Small Unmanned Aircraft Systems (sUAS) Rating #4769718	
Contract role(s) / brief description of responsibilities	Tyler has nine years of experience working on bridge, culvert, SSHML, and tunnel inspection projects throughout the US. He has performed multiple routine, in-depth, damage, and initial bridge inspections of various structure types including bascule bridges, truss bridges, multi-girder bridges (steel I-beams/box beams, reinforced/prestressed concrete, and timber), laminated timber arch bridges, concrete/steel/masonry culverts, concrete slabs, concrete arches, and concrete tunnels. Tyler has performed inspections on most tunnel types, including unlined rock, concrete, shotcrete, snow sheds, and cut-and-cover. He has experience inspecting SSHML structures such as sign bridges, cantilever signs, and signals. Tyler has experience with tracking and documenting bridge routine inspections using AASHTOWare Bridge Management (BrM) software, Bentley AssetWise InspectTech, and InspectX. Tyler will provide BRIDGE INSPECTION (DRONE PILOT) services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/19 - Ongoing	MISSISSIPPI COMPLEX BRIDGE INSPECTIONS Mississippi Office of State Aid Road Construction Statewide, MS Inspections Team Assistant. Team Assistant for bridge inspections for Off-System timber bridges across Bolivar, Jackson, and Washington Counties in Mississippi per the NBIS. Responsible for routine inspections on bridges greater than 20 feet in clear span, including recommendations for maintenance, replacement and/or repair, sketches, photographs, and streambed measurements.			
02/17 - Ongoing	BRIDGE INSPECTIONS Colorado DOT Central and Northern Regions, CO Team Leader. Team Leader for bridge inspection and load rating services for Off-System bridges in the Central and Northern Regions of Colorado per the National Bridge Inspection Standards (NBIS). Responsible for every day operations in the field including field inspections in accordance with all CDOT, FWHA, NBIS, and OSHA guidelines and requirements. Confined space entry protocol and Non-Destructive Testing methods are commonly utilized. Load ratings are performed using the AASHTOWare Bridge Rating program.			
08/17 - Ongoing	ON-SYSTEM BRIDGE INSPECTIONS Colorado DOT Central and Northern Regions, CO Team Assistant. Team Assistant for bridge inspections for On-System bridges across the Denver Metro area per the National Bridge Inspection Standards (NBIS). Responsible for routine inspections on bridges and culverts greater than 20 feet in clear span. In-depth elemental reporting includes recommendations for maintenance, replacement and/or repair, sketches, photographs, and streambed measurements.			
05/20 - 04/21	BRIDGE INSPECTIONS North Dakota DOT Southeast Region, ND Team Leader. Tyler is a team leader that performs routine inspections of various types of structures throughout the southeast region of North Dakota per the NBIS. Inspection information is entered into InspectX. Responsible for routine inspections on bridges and culverts greater than 20 feet in clear span, including recommendations for maintenance, photographs, streambed measurements, and gathering data to complete load ratings.			
02/22 - 02/22	BRIDGE AND CULVERT INSPECTIONS National Renewable Energy Laboratory (NREL) Golden, CO Team Leader. The NREL Golden Campus consists of (27) different structures, (13) bridges and (14) culverts. Tyler was a team leader for the NBIS inspections. Tyler was responsible for completing the inspections, providing inspection reports, maintenance recommendations, photos, and sketches.			
05/19 - 4/23	BRIDGE INSPECTIONS Arizona DOT Southeast Region, AZ Team Assistant. Team Assistant for bridge inspections for both On-System and Off-System structures across the southeast region of Arizona per the NBIS. Responsible for routine and in-depth inspections on bridges greater than 20 feet in clear span, including recommendations for maintenance, replacement and/or repair, sketches, photographs, and streambed measurements.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Joseph "Joe" Cains, III, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	22	
TITLE	Senior Associate, Area Manager (Louisiana)	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2003 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 33670 LA 03/31/2028		
YEAR REGISTERED	2008	DISCIPLINE	Civil Engineer	
Contract role(s) / brief description of responsibilities	Joe has 22 years of experience for various project types, including interstates and interchanges, arterials and collector highways, local roads, bridge replacement projects, and other similar transportation systems, on both existing highway alignments and new locations. He also has extensive experience with Complete Streets and innovative intersections including roundabouts, DDIs, and CFIs, and has been involved in several major projects involving compressed schedules and quick turnaround deadlines. He has experience in both traditional and alternative delivery types as well as Construction Administration services, allowing him to help lead the charge in the transportation industry for Stantec in the State of Louisiana. Joe will provide ROAD AND TRAFFIC ENGINEERING services for this contract. Joe meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 8			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/2015 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Lead Roadway Engineer. Responsible for Task 4 Geometrics, as well as coordinating project needs for this 15-task program that is being carried out with a team of 15 design firms. Task 4 involves evaluation, development of alternatives, and recommendations for all roadway geometric elements for this 5.5-mile long corridor. Task 4 also is involved in coordination and participation in public outreach and finalization of a Supplemental EIS document. Joe is also serving as Project Manager for the Preliminary Design Phases of the I-49 Connector Project. Joe also performed internal QC on deliverables prior to external submittals.			
04/2015 - 06/2018	US 90 AT LA 318 INTERCHANGE DESIGN-BUILD PROJECT LADOTD St Mary Parish, LA Lead Roadway Engineer. Project included upgrading the existing two-lane undivided roadway LA 318 to a two-lane divided roadway with a raised median, and constructing a new overpass bridge for US 90 over LA 318. This project also included a significant utility relocation coordination effort, as well as ROW acquisition (first for a Design-Build Project), and a Transportation Management Plan. Joe's duties included leading the effort for plan development of the various design units, development of the TMP, design of frontage road and ramp geometry, as well as construction support during the process. Joe also performed internal QC on deliverables prior to external submittals.			
11/2010 - Ongoing	NELSON ROAD EXTENSION AND BRIDGE LADOTD Lake Charles, LA Project Manager. Project Manager for the Environmental Assessment as well as the Preliminary and Final Design Phases of this project to construct a new high-level bridge over Contraband Bayou. During the environmental phase, Joe coordinated all environmental tasks and developed the line and grade study, performed a vessel survey to better understand navigational requirements for the proposed bridge, assisted with development of the Section 404 and Section 10 permits (USACE and USCG), and coordinated the compilation of the entire EA document, which included three subconsultants. Joe also designed the horizontal and vertical geometry for the project and providing general oversight, guidance, and coordination of plan development for the various disciplines involved, including roadway design, drainage design, maintenance of traffic, bridge design, traffic signal design, railroad design, lighting design, and assisted District 07 with the coordination of utility impacts. Joe also performed internal QC on deliverables prior to external submittals. Joe is currently managing the limited construction support phase.			
04/2011 - 06/2015	I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT LADOTD Lake Charles, LA Assistant Project Manager and Lead Roadway Engineer. This project proposed to reconstruct I-210 to overpass the extension of Cove Lane and widen it between the foot of the I-210 bridge over the Calcasieu River ship channel to the Nelson Road Interchange. During the Stage 0 and IMR phases of the project, Joe developed 29 full interchange alternatives and coordinated with traffic engineers during the analysis and modeling efforts to modify the alternatives as needed to satisfy DOTD needs. In the environmental phase, he provided the exhibits and materials necessary to support the Environmental Assessment document. During the Preliminary and Final Design Phases of the project, he designed the horizontal geometry for the entire project, led the roadway design plan development efforts, and coordinated multiple disciplines including hydraulic analysis and design, striping and signing design, bridge and structural design, geotechnical design, and maintenance of construction, as well as ROW acquisition, Utility Coordination and Relocation, and implementing environmental commitments into the design. Joe also performed internal QC on deliverables prior to external submittals. Joe was also involved with the development of the Transportation Management Plan, and the development and approval of several Special Provisions for the project. Lastly, he was heavily involved in the construction process, which included frequent trips to the project site, answering RFIs, and assisting LADOTD with maintaining the project schedule.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Nicholas "Nick" Prudhomme, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	20	
TITLE	Roadway Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2006 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 35996 LA 3/31/2027		
YEAR REGISTERED	2011	DISCIPLINE	Civil Engineer	
Contract role(s) / brief description of responsibilities	Nick has 20 years of experience in feasibility/alternative studies and preliminary and final design of interstates, entrance and exit ramps, arterials, local roads, bridge replacement projects, and other similar transportation systems along both existing and proposed alignments. His experience also includes training courses for Traffic Control Supervisor, Traffic Control Design Specialist, and training in the Highway Safety Manual. Nick will provide ROAD AND TRAFFIC ENGINEERING services for this contract. Nick meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 8			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/19 - 04/24	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Contract No. H.011670 New Orleans, LA Drainage Lead and Assistant Roadway Lead. As Drainage Lead, Nick oversaw the drainage design consisting of subsurface drainage systems along Loyola Drive and the new airport access road, drainage systems/cross drains on I-10, and the extension of 2-8'x7' box culverts in Canal 13. As Assistant Roadway Lead, Nick designed horizontal and vertical geometry, graphical grades, and Inroads roadway modeling. Nick also provided construction support by reviewing and approving drainage shop drawings as well as RFIs and NCRs relating to drainage and roadway design. This project serves as a main entrance to the new airport terminal recently constructed for the Louis Armstrong New Orleans International Airport.			
05/15 - 06/18	US 90 AT LA 318 INTERCHANGE DESIGN-BUILD LADOTD St. Mary Parish, LA Drainage and Roadway Engineer. Nick performed subsurface drainage analysis and design, earthwork modeling, cross section generation, and quantity calculations. The project included dual overpass bridges, ramps, and frontage road relocations. Stantec proposed an alternative technical concept to the proposed alternative in the RFP. This ATC conserved ROW, lessened impacts to the community and the environment, and saved construction cost. Nick remained involved throughout construction and participated in resolving design and construction non-conformance issues and requests for information.			
07/15 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Drainage QA/QC and Roadway Engineer. Nick is responsible for overseeing the drainage design of the project as well as the roadway design of the Willow Street interchange, including horizontal and vertical design, roadway clearance and sight line checks, InRoads modeling, and quantity calculations. Project includes the construction of a freeway with accompanying interchanges in the Evangeline Thruway/US 90/US 167 corridor and flanking frontage roads for local traffic circulation and land access. A critical transportation link, the I-49 Connector will connect existing I-49 with new interstate mileage through Lafayette and to New Orleans.			
04/11 - 06/15	I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT LADOTD H.010151 Lake Charles, LA Roadway Engineer. Nick assisted in the design and plan development for the proposed full tight diamond interchange at Cove Lane and I-210. He was responsible for all the earthwork calculations for the interchange improvements, as well as the extension of existing Cove Lane to the north. The project included retaining walls and a load transfer platform which were included in Nick's cross section design. Nick was also involved with geometric modeling and quantity calculations.			
11/12 - 03/23	PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS, FINAL PLANS AND RIGHT-OF-WAY MAPS City of Baton Rouge Contract 12-CS-HC-0015 Baton Rouge, LA Drainage Lead and Roadway Lead. This project initially included EA and Preliminary Plans for improving 3.4 miles of Perkins Road (LA 427) from the existing, 2-lane roadway to a 4-lane divided curb and gutter roadway with raised median, sidewalk, sewer, and subsurface drainage. During the EA phase, Nick assisted with the alternative analyses, conceptual drainage design, public meeting materials and presentations, and the development of the EA report and documentation. During preliminary plan development, he assisted in all areas of design and plan development including client interaction, drainage design, drainage report, roadway modeling and earthwork analyses using InRoads, quantity calculations, and construction cost estimate. Under the MOVEBR Program, Stantec completed Final Plans using MOVEBR design criteria and is responsible for all final design including roadway and traffic signal plans, subsurface drainage and culvert design, and wetlands permitting.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.			
NAME	Mary Frances Bratton O'Rourke, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		16
TITLE	Roadway Engineer		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		0
DEGREE(S) / YEARS / SPECIALIZATION		BS 2012 Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 41444 LA 09/30/2027			
YEAR REGISTERED	2017	DISCIPLINE	Civil Engineer		
Contract role(s) / brief description of responsibilities	Mary's roadway engineering experience includes preparing roadway plans, quantity calculations, hydraulic analysis, striping and signing design, coordination of utility relocation for design-build projects, and geometric design such as horizontal and vertical alignments for a variety of projects in Louisiana. Mary is knowledgeable in a number of software programs including Microstation, InRoads and SignCad. She has also assisted in the design of roundabouts, interchanges, and realignments of urban roadways. Mary will provide ROAD AND TRAFFIC ENGINEERING services for this contract. Mary meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 8				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
07/15 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Roadway Engineer. Mary is responsible for developing permanent interchange and ramp terminal signage concepts of the five-and-a-half-mile urban corridor, which includes segments of at-grade and elevated mainline, parallel frontage roads, urban interchanges, slip ramps, and connection/modifications to the existing roadway network. Mary is also assisting with the geometric roadway designs, quantity and cost estimating, drainage designs, and MOT concepts.				
07/15 - 06/18	US 90 AT LA 318 INTERCHANGE DESIGN-BUILD LADOTD St. Mary Parish, LA Roadway Engineer. Mary assisted with the plan development of this project which constructed a diamond interchange with frontage roads to replace the current, at-grade, signalized intersection of US90 and LA 318. This included developing horizontal and vertical alignments, drainage design, signing and striping design, maintenance of traffic design, and quantity calculations. Mary also coordinated with utility companies for all required utility relocations on the project, as well as LADOTD Headquarters and the District office to ensure the utilities were relocated in a timely manner to mitigate utility conflicts with the roadway construction.				
01/18 - Ongoing	DIJON DRIVE PHASE I & PHASE II City of Baton Rouge Baton Rouge, LA Roadway Engineer. Stantec designed this roadway on new alignment for the City of Baton Rouge as an access roadway to the new hospital. This fast-paced project includes a four-lane divided roadway on new alignment, sanitary sewer force main, subsurface drainage, signalization, and off-site intersection improvements. Mary's responsibilities include designing the signing and striping layout, calculating quantities to develop a construction cost estimate, and assisting with plan development to produce typical section sheets, plan and profile sheets, summary of quantity sheets, drainage map sheets, geometric detail sheets, signing and striping sheets, and suggested sequence of construction sheets. Mary has also provided construction support for Dijon Phase I.				
10/17 - Ongoing	NELSON ROAD EXTENSION AND BRIDGE LADOTD Lake Charles, LA Lead Roadway Engineer. Stantec is lead designer for this new, high-level bridge and its approaches over the navigational channel of Contraband Bayou. The project provides a crucial link to downtown Lake Charles and the Port of Lake Charles by extending Nelson Road over Contraband Bayou to West Sallier Street. Mary was responsible for the geometric design which included an at-grade railroad crossing, roadway modeling, drainage design, signing and striping, joint layout, and sequence of construction. Mary also assisted with the NEPA Environmental Assessment process and coordination between all stakeholders and is currently providing roadway construction support for this project.				
07/14 - 06/16	US 79 BYPASS AT LA 9 ROUNDABOUT LADOTD Claiborne Parish, LA Roadway Engineer. Project replaced a signalized intersection with a roundabout while maintaining traffic. Mary's responsibilities included managing plan development, client coordination, and the design of all areas of plan development including horizontal and vertical alignments, earthwork modeling, drainage design, signing and striping layout, sequence of construction which required three detour roads and a temporary subsurface drainage system, quantity calculations, and cost estimate for the construction.				
05/12 - 12/21	GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN LADOTD Baton Rouge, LA Roadway Engineer. Mary designed bike lane facilities and signing/striping layout for this preliminary and final plan design project to upgrade a four-mile portion of Government Street. She assisted with designs/plan development including typical sections, plan sheets, geometric details, signing and striping, and sequence of construction. Mary also calculated quantities, developed the cost estimate for construction, and provided construction support.				

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Hannah Krebs, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	11	
TITLE	Roadway Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2017 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 45917 LA 3/31/2028		
YEAR REGISTERED	2021	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Hannah has 11 years of experience in design and plan development of interstate, arterial, and collector facilities, including existing and new alignment locations. She also has experience with the design of intersection improvements for both urban and rural projects. Hannah is specifically experienced in roadway design, environmental assessments and temporary traffic control plans. Hannah will provide ROAD AND TRAFFIC ENGINEERING services for this contract .			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
06/17 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Contract No. H.004273.5 Lafayette, LA Roadway Engineer. Hannah is responsible for developing cost estimates for various alternatives, creating public meeting exhibits, attending and participating in public meetings, developing geometry for the roundabout corridor alternative, C3, and project organization. She also developed a Conceptual Maintenance of Traffic Report and exhibits. This route will provide the final nationwide link of I-49 by connecting the existing I-49/I-10 interchange to the proposed I-49/US 90 interchange. For the Comprehensive Stage 0 and Environmental Study, Stantec leads the traffic study and impacts effort along with development of an implementation plan and strategy.			
11/15 - 12/17	GOVERNMENT STREET ROAD DIET: STUDY THROUGH FINAL DESIGN LADOTD Baton Rouge, LA Engineer Intern. Hannah provided analysis of existing project conditions through field work. She helped in providing recommendations to bring conditions up to current ADA standards. She met with residents and business owners impacted by the project at public meetings held by LADOTD. Hannah assisted with construction plans as well as exhibits for public information meetings. This project included a single-lane roundabout with bypass lanes at the Lobdell Ave. intersection.			
11/15 - 8/19	W. PRIEN LAKE ROAD RELOCATION LADOTD Lake Charles, LA Engineer Intern. Hannah assisted with the Preliminary and Final Design Phases of this project, that proposed to realign W. Prien Lake road for approximately 1.4 miles to improve interchange operations at I-210 and Nelson Road. This project included a multi-lane roundabout and a large drainage structure improvement.			
09/18 - 04/24	I-10/LOYOLA INTERCHANGE DESIGN-BUILD LADOTD Contract No. H.011670 New Orleans, LA Roadway Engineer. Hannah was responsible for creating traffic control plans and modifying as needed during construction. This multi-million dollar project improves access and traffic operations to and around the new Northfield Terminal at the New Orleans International Airport. The project consists of a Diverging Diamond Interchange, in addition to flyover ramps leading to and from the Airport on the east side of the interchange.			
06/20 - 03/23	PERKINS ROAD (SIEGEN TO PECUE) WIDENING TRAFFIC STUDY, ENVIRONMENTAL ASSESSMENT (EA), PRELIMINARY PLANS, FINAL PLANS AND RIGHT-OF-WAY MAPS City of Baton Rouge Baton Rouge, LA Roadway Engineer. Hannah's responsibilities included final plan development, geometric design, and traffic control plans. Under the MOVEBR Program, Stantec completed Final Plans for Perkins Road from Siegen Lane to Pecue Lane using MOVEBR design criteria. This 2-lane to 4-lane divided roadway widening project accommodates the increase in traffic and improves travel efficiency along this corridor by introducing access management principles which have been shown to increase capacity and safety. Partial median openings and u-turn movements with bulb outs are being provided along the corridor. Stantec is responsible for all final design including roadway and traffic signal plans, subsurface drainage and culvert design, and wetlands permitting. Hannah produced the plan set that was submitted with the wetlands permit application.			
06/17 - 06/21	NELSON ROAD EXTENSION AND BRIDGE LADOTD Lake Charles, LA Engineer Intern. Hannah was responsible for organizing and completing a vessel survey during the Environment Assessment phase. Vessel owners were contacted to determine a bridge clearance business impact to a local shipyard. Hannah also assisted in the vertical profile design, drainage design, template design, and plan preparation for the preliminary submittal. The Nelson Road extension over Contraband Bayou will connect the community of Lake Charles and provide an alternate route to alleviate traffic from the interstate system.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Joey Lefante, PE, PTOE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	18	
TITLE	Senior Associate, Traffic Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2008 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 37244 LA 09/30/2026		
YEAR REGISTERED	2012	DISCIPLINE	Civil Engineering PTOE #3560	
Contract role(s) / brief description of responsibilities	Joey has 18 years of experience working on major traffic projects, preparing feasibility studies and interchange modification reports, and leading improvements through plan design and signal construction. His experience using various analysis software packages, including TransCAD, Synchro, and VISSIM, allows him to determine innovative transportation solutions tailored to each individual situation. Joey will provide ROAD AND TRAFFIC ENGINEERING services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/11 - 06/15	I-210 / COVE LANE INTERCHANGE AND ROUNDABOUT LADOTD Lake Charles, LA Lead Traffic Engineer. Joey developed an Interchange Justification Report (IJR) for I-210 between Cove Lane and Nelson Road interchanges on Port of Lake Charles property. He developed peak hour traffic volumes for 28 possible design alternatives, which took into account and accommodated for all future developments in the area, including the Nelson Road Bridge over Contraband Bayou and the Ameristar Casino and Hotel development north of I-210. Joey coordinated the collection of traffic counts and performed field calibration of the traffic models by collecting data such as queues and travel times. Once the alternatives were narrowed down to the final, Joey performed HCS and SIDRA analyses on over 50 locations per alternative. The recommended alternative included innovative interchange configurations including roundabout ramp terminals at Cove Lane and a Diverging Diamond Interchange (DDI) at Nelson Road.			
03/14 - 05/15	LA 511 JIMMIE DAVIS BRIDGE REHABILITATION LADOTD Contract No. H.010662 Bossier Parish, LA Traffic Engineer who performed traffic analysis for the designated detour route as part of the TMP and proposed locations for temporary signal installations during the bridge closure. Detour routes included city streets on both side of bridge. Based on analysis, Joey designed and detailed traffic signal plans for temporary signal installations. Each selected improvement was needed to handle rerouting of all bridge traffic to the detoured route with minimal permanent pavement changes.			
11/10 - Ongoing	NELSON ROAD EXTENSION AND BRIDGE LADOTD Contract No. H.005967 Lake Charles, LA Traffic Engineer. Joey ran traffic analyses for the different bridge tie-ins being studied. Also included in the traffic analysis was a consideration of the impact of the bridge on the surrounding roadway network. The Regional Travel Demand Model was modified in TransCAD to determine the effects of the bridge construction. Joey will be providing Traffic construction support for the project.			
08/14 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Traffic Task Manager. Joey is responsible for coordination with DOTD traffic staff and managing analysis of various geometric design alternatives. This project includes a comprehensive Vistro model and additional analyses using TransCAD, VISSIM, and Sidra software packages. It follows the Access Justification Request (AJR) guidelines established by DOTD and FHWA. Joey has been involved in the Context Sensitive Solutions (CSS) process, attending community meetings. Feedback from the CSS process has informed changes to ramp layouts and interchange design and has enabled Stantec to redesign several key elements to emphasize urban design principles, including pedestrian and bicycle accommodations. Joey is responsible for documenting the project to follow DOTD Traffic Engineering Process and Report (TEPR) Guidelines.			
08/09 - Ongoing	I-49 INNER CITY CONNECTOR STAGE 0-1, STUDY & IJR LADOTD Shreveport, LA Traffic Engineer performing NEPA investigations, developing IMR and IJR and providing quality assurance for this 3.5-mile final nationwide link of I-49 by connecting the existing I-49/I-20 interchange to the proposed I-49/I-220 interchange. NLCOG's Travel Demand Forecasting Model was modified and used to project future traffic for 3 alternatives representing different interchange combinations. HCS will be used to determine which roadway improvements would be necessary for each alternative.			
08/19 - 04/24	I-10 LOYOLA DESIGN-BUILD LADOTD Contract No. H.011670 New Orleans, LA Traffic Engineer. Joey performed VISSIM analyses of an Alternative Technical Concept (ATC) consisting of two new flyover ramps leading to/from the Airport on the east side of the interchange and the first Diverging Diamond Interchange (DDI) in Louisiana. Joey completed an IMR to meet FHWA access policy standards to move the project forward on the accelerated design-build schedule. Joey is also leading the traffic signal design effort, including specialized DDI operations and complete street accommodations such as sidewalks and a two-way cycle track.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Derrick Goudeau, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	8	
TITLE	Senior ITS/Electrical Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	15	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2003 Electrical Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 33288 LA 09/30/2027		
YEAR REGISTERED	2007	DISCIPLINE	Electrical and Computer Engineer	
Contract role(s) / brief description of responsibilities	Derrick has over 23 years of experience in the design and development of ITS and electrical power, lighting, control, and related systems. He has been responsible for the preparation of plans and specifications (design and development) of ITS, lighting and electric power engineering projects, from design to final construction inspection. Other design experience includes QC/QA review, calculations, data collection, and report preparation. During the construction phase, Derrick has provided CE&I services to support the owner and verify general conformance with the design including review of shop drawing and equipment submittals, respond to request for information, review/prepare as-built drawings, and perform periodic inspection and final system acceptance. He is also well-versed in industry codes and standards, including the 2020 NEC (NFPA 70) and 2018 NFPA 70E in which he has recently completed training courses. Derrick will provide LIGHTING DESIGN services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/23 - Ongoing	I-12 TO BUSH LA 3241 (I-12 - LA 36) LIGHTING LADOTD H.004957 Lacombe, LA Quality Control Reviewer. Derrick is providing detailed reviews of lighting design and construction plans for the updated I-12/LA-434 Interchange geometry, including a new roundabout on north end of the interchange. The lighting design also includes photometric analysis of existing to remain lighting system and recommendations for other lighting and electrical improvements.			
03/20 - Ongoing	I-10: US 61 TO LAPLACE ITS DEPLOYMENT LADOTD H.013710 LA Lead Engineer/Engineer of Record. Derrick was part of the Systems Engineering Analysis team and later served as the lead engineer on this 20-mile rural project segment focused on I-10 from the US-61 interchange to the US-51/I-55 interchange which includes 4 miles of bridge structure and very little access to utility power. the design included seven new CCTV camera poles (4 sites with photovoltaic systems), retrofit of one CCTV camera pole and interface with one existing DMS site near I-10/US-61. The project also took the opportunity to complete connections DOTD-owned fiber optic backbone and provides redundant links in their communications on this critical corridor for Louisiana. Stantec was responsible for preparing final plans, opinion of probable construction cost, and transportation management plan to extend the existing Baton Rouge ITS along I-10 from the I-10/US-61 interchange to the LaPlace Radio Tower. The plans included details for CCTV camera sites, pole foundation design, solar powered site design, and details for attaching fiber optic cabling to existing bridge structures.			
03/13 - 05/15	I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS LADOTD H.10152 LA Engineer of Record (Lighting/Electrical). Derrick was the Engineer of Record for the lighting/electrical portion of the project (incorporated via plan change) and provided CE&I services through construction. Project limits are from the East foot of the I-210 Lake Prien Bridge through the I-210/Cove Lane Interchange (approx. 1 mile of I-210). Project required frequent field inspection for changing site conditions, coordination with LADOTD Project Engineer and Contractor, and design adjustments for compatibility with Contractor's sequence of construction.			
03/13 - 02/18	I-210 OVER CALCASIEU RIVER WEST OF I-10 INTERSTATE LIGHTING LADOTD H.010440 LA Engineer of Record (Lighting/Electrical). Project limits are from the I-10/I-210 Interchange to the I-210/Cove Lane Interchange (approximately 4.5 miles of I-210). Project makeup consists of the following types of roadway lighting standards: 44 ground mount low mast, 54 structure mount low mast (bridge), 7 barrier mount low mast, 10 ground mount high mast, and 4 underpass.			
02/11 - 10/15	NORTH CHANNEL BASCULE CONTROL SYSTEM REPLACEMENT LADOTD H.009323 LA Senior Electrical Engineer. Project consisted of control and electrical distribution system replacement for the existing double-leaf bascule for the northbound and southbound bridge across Lake Pontchartrain. Power distribution consist of 480-volt motor control centers with DC adjustable speed drives for each 20hp span motor. The new control system features two control cabinets, each with redundant PLCs and local touchscreen, allowing individual operation each bridge. The system also includes additional diagnostic, maintenance modes, and monitoring via remote touchscreen using an isolated fiber optic network. The project also included renovations to the existing operator house and a new control console. Derrick lead the electrical power distribution design and provided quality control review for the bridge control system.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Michael Whitney "Whit" Hawkins, PE, CFM	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	9	
TITLE	Structural Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	11	
DEGREE(S) / YEARS / SPECIALIZATION		MBA 2005 Business Administration; BS 2004 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 46867 LA 09/30/2026; Certified Floodplain Manager No. US-07-02689 MS N/A		
YEAR REGISTERED	2022	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Whit has 20 years of experience specifically related to hydraulic projects. This experience includes developing hydraulic and hydrologic studies for FEMA's Digital Flood Insurance Rate Maps, Letters of Map Revisions, Risk MAP program, hydraulics for bridge design, 2-D hydraulic modeling, Phase I and II bridge scour analyses, and design of roadway storm-drain systems. Prior to joining Stantec, Whit served as the Director of Public Works for the City of Madison, MS, for two years that involved leading the design, construction, and maintenance of city streets, water supply system, and storm and sanitary sewers. Whit will provide HYDRAULICS ENGINEERING services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
08/19 - 07/24	I-10/LOYOLA DRIVE INTERCHANGE IMPROVEMENTS DESIGN-BUILD PROJECT LADOTD Kenner, LA Hydraulics Engineer. Responsible for determining hydraulic impact of US Interstate 10 bridge expansion over Duncan Canal and determined placement of scuppers for roadway barriers, noise barriers, and bridges from roadway hydrology and hydraulic calculations.			
10/20 - 05/23	I-55 AT BIG BLACK RIVER AND 5 RELIEFS AND DRY CREEK AND BIG CYPRESS CREEK Mississippi DOT MS Hydraulics Engineer. Performed Phase I and II scour analyses and developed 2-Dimensional Hydraulic Models using Aquaveo SMS Program to determine if six sets of Interstate 55 bridges over the Big Black River and two sets of bridges over Dry Creek and Big Cypress Creek are scour critical.			
07/19 - 11/22	KEMP BRIDGE REPLACEMENT PROJECT City of Vicksburg Warren County, MS Hydraulics Engineer. Developed HEC-RAS model to design a new bridge over Hennesseys Bayou for the Kemp Bottom Road crossing in Warren County.			
05/16 - 04/19	BRIDGE SCOUR EVALUATION FOR LYNCH CREEK AT I-20 Mississippi DOT MS Hydraulics Engineer. Developed a 2-Dimensional Hydraulic Model using Aquaveo SMS Program to determine if three sets of Interstate 20 bridges over Lynch Creek are scour critical.			
06/19 - 03/21	SR 772 BETWEEN CR 132 AND SR 15 (BRIDGE NUMBER 271.8) Mississippi DOT Algoma, MS Hydraulics Engineer. Developed a 2-Dimensional Hydraulic Model using Aquaveo SMS Program to design a box-bridge to replace the existing bridge over Chiwapa Creek in Pontotoc County, MS.			
09/17 - 03/21	SR 7 OVER RIVERDALE CREEK AND GRENADA RAILROAD Mississippi DOT Grenada County, MS Hydraulics Engineer. Developed HEC-RAS hydraulic models and proposed bridge designs to replace a bridge over Riverdale Creek and the Grenada Railway on SR 7 in Grenada County, Mississippi.			
12/17 - 12/20	US HIGHWAY 80 BRIDGE REPLACEMENTS Mississippi DOT Newton, MS Hydraulics Engineer. Calculated flows to determine sizing of drain pipes for four bridge replacement sites in Newton County.			
01/17 - 12/18	SR 42 BRIDGE REPLACEMENT Mississippi DOT Perry County, MS Hydraulics Engineer. Developed a 2-Dimensional Hydraulic Model using Aquaveo SMS Program to design a quarter-mile-long bridge replacement over Tallahala Creek in Perry County, MS.			
08/05 - 04/14	MISSISSIPPI FLOOD MAP MODERNIZATION INITIATIVE MDEQ Jackson, MS Hydraulics Engineer. Whit was responsible for a variety of technical tasks necessary to update FEMA floodplain maps for counties throughout Mississippi. Some of these tasks included GIS data processing and analyses, hydrologic and hydraulic modeling, digital mapping, production of flood insurance studies, and community outreach and presentations.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Scott Hoffeld, CEP	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	6	
TITLE	Senior Project Manager, Environmental	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	26	
DEGREE(S) / YEARS / SPECIALIZATION		MS 1994 Resource Management and Administration; BA 1989 Economics		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		CEP No. 02040408 LA N/A		
YEAR REGISTERED	2002	DISCIPLINE	Certified Environmental Professional of the Academy of Board Certified Environmental Professionals	
Contract role(s) / brief description of responsibilities	Scott is a Senior Environmental/Transportation Planner and Economist with 32 years of NEPA and permitting experience for LADOTD, spanning from EAs, CEs and re-evaluations to complete multi-phased and 3rd party EISs and supplemental EISs. His project experience has included IJR's; hazardous materials; and EJ outreach/involvement, impact and mitigation analyses; and the use of benefit-cost analysis in public-project alternative investment and decision-making. He has completed the DOTD TEPR training, NHI NEPA Decision-Making course among many others. Scott will serve as ENVIRONMENTAL COORDINATOR for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/15 - 07/17	EA FOR US 11 NORFOLK SOUTHERN RAILROAD OVERPASS REPLACEMENT (H.000688) LADOTD St. Tammany Parish, Louisiana Project Manager. Project includes replacement and widening of the US 11 roadway overpass of the Norfolk Southern Railroad in Slidell, Louisiana. Project includes the evaluation of partial and full-access intersection options and bridge alignment and type alternatives for the heavily skewed and long steel span bridge in this urban area of Slidell, Louisiana. Key issues include the historic status of the bridge, commercial parking impacts, use of the Norfolk southern right of way, and travel pattern changes following the construction.			
07/15 - Ongoing	I-49 LAFAYETTE CONNECTOR LADOTD Lafayette, LA Assistant Program Manager and Prime Env. Program Lead. Scott is assisting with the program management task, including overseeing staff and agency coordination, schedule maintenance/adherence, contracting, invoicing, and other. As the program prime's Environmental SME, Scott coordinates closely with the LCP task and firm leads on Environmental SEIS tasks/deliverables content, quality and schedule. Scott's work also includes the close coordination of LCP strategy to comply with evolving NEPA expectations based on FHWA and FAA concerns; as well as strategizing to expedite delivery of the project through various NEPA compliance and construction phasing options. Work will ultimately involve LCP coordination of a DOTD Joint Use Agreement with the Lafayette Consolidated Government for under-structure use of viaduct's rights of way.			
10/15 - 03/17	EA AND REEVALUATION FOR DIJON EXTENSION IMPROVEMENTS CITY OF BATON ROUGE H.012233/H.012232 Baton Rouge, LA Project Manager. Responsible for EA and public outreach for short connector roadway between LA 3064 (Essen Lane) and LA 1248 (Bluebonnet Boulevard) in Baton Rouge. The project involved coordination with the Our Lady of the Lake and The General hospitals regarding future development plans, as well as consideration of future bikeway plans for the City of Baton Rouge.			
04/10 - 10/14	EA FOR CHEF MENTEUR BRIDGE AND APPROACHES REPLACEMENT - WITH FONSI LADOTD Orleans Parish, LA Project Manager. Responsible for a high-priority bridge replacement EA and Line and Grade Study, responsible for coordination and technical assessment of key issues. Both movable and fixed-span designs were under consideration along three alignments in an area of environmental and design challenges. Built in 1930, the existing US 90 swing-span bridge over Chef Menteur Pass has two 10-ft lanes, no shoulders and a bridge sufficiency rating of 37. Environmental constraints include the abutting Venetian Isles subdivision, Fort Macomb structure and state parkland, terrestrial and submerged archaeological sites, and the Bayou Sauvage National Wildlife Refuge. Intensive public and agency outreach was initiated along with computerized renderings of postconstruction views to be used in the effort.			
01/20 - Ongoing	MOVEBR ENHANCEMENT PROGRAM City of Baton Rouge, LA Project Manager and Environmental SME. Responsible for developing protocols for Environmental Compliance for Enhancement and Capacity Programs, and serving as Quality Control and Assurance representative for all Enhancement Program Environmental tasks. Also serving as program manager for enhancement program projects including the Plank Segment 2 (Dawson - Harding/Hooper), College Drive Corridor Congestion Relief Project and the Plank-Nicholson Bus Rapid Transit Project. Duties include coordination with DOTD, federal agencies and local interests, monitoring and implementing quality-control/assurance checks, and evaluating scope/budget issues so that overall schedule may be maintained. Duties for the Bus Rapid Transit project also included complex coordination among City-Parish, CATS, FTA, CRPC, MOVEBR Program and the Consultant team in the programming and routing of federal grant funding and the amendment of the City-Parish/CATS Memorandum of Understanding for funding and responsibility divisions.			

		Stantec Consulting Services Inc.			
NAME	Adrienne Campbell		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		7
TITLE	Senior Architectural Historian		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		17
DEGREE(S) / YEARS / SPECIALIZATION		MS 2004 Preservation // BA 1997 Anthropology and Art			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A			
YEAR REGISTERED	N/A	DISCIPLINE	N/A		
Contract role(s) / brief description of responsibilities	Adrienne has 24 years of experience in property assessments, historic preservation, and related work, including research, documentation and regulatory compliance. Her current responsibilities include surveying, assessing, and documenting historic properties and determining eligibility for the National Register of Historic Places in compliance with Section 106 and NEPA; Section 4(f) determinations; archival research; and contextual documentation. Adrienne has worked on a wide variety of projects across the state of Texas and United States, including highways, military, transmission lines, communication towers, railroads, and public and private development. She meets the Secretary of the Interior's professional qualifications for Architectural Historian. Adrienne has taken the course on Section 106 of the National Historic Preservation Act offered by the Advisory Council (2008). She will provide ENVIRONMENTAL AND SECTION 106/4(f) COMPLIANCE SERVICES for this contract. Adrienne meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 11				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
02/23 - 10/23	HISTORIC RESOURCES SURVEY FOR LOUISIANA STATE HIGHWAY (SH) 604 LADOTD Tensas Parish, LA Architectural Historian. Stantec conducted a cultural resources survey for proposed improvements to Louisiana SH 604, including realigning the roadway as part of a larger USACE project to expand the levee that SH 604 currently parallels. As the project required authorization from USACE, it was subject to compliance with Section 106 of the National Historic Preservation Act. Stantec historians coordinated with LADOTD and USACE staff to establish the APE, prepared a research design with historic context, conducted field survey, and made recommendations regarding NRHP eligibility and effect. Stantec documented 47 above-ground historic resources on Louisiana Historic Resources Inventory forms. The project required evaluation of Lake Bruin State Park and a nearby mid-century neighborhood.				
02/24 - 11/24	LINFIELD ROAD BIKE BRIDGE AND PEDESTRIAN IMPROVEMENTS Criado for TxDOT Dallas County, TX Principal Investigator. Historical resources survey for pedestrian bridge and roadway improvement project federally funded by FHWA through TxDOT and subject to compliance with Section 106 of the National Historic Preservation Act. In coordination with TxDOT, Stantec designed the survey to include a reconnaissance survey of 55 resources 45 years old or older at time of projected project letting in the Area of Potential Effect and a windshield survey of an adjacent, historically African American neighborhood that developed from a post-Civil War freedom colony. A full survey of the neighborhood was outside of the scope of the project, so the neighborhood was conservatively considered eligible for the National Register of Historic Places as a historic district. Stantec historians used the windshield survey to identify the characteristics that qualified the resources with the Area of Potential Effect as contributing resources to the historic district. Stantec recommended one additional resource eligible for the National Register of Historic Places and produced a historic resources report with a recommendation of no adverse effect to historic properties with a finding of de minimis for small clips of right-of-way from the district and contributing resources. Report recommendations noted in-depth evaluation of the neighborhood may be required in the future for projects with the potential to affect the neighborhood, to include consideration of appropriate period of significance, physical features that characterize the neighborhood, the neighborhood boundary, and historic integrity.				
02/23 - 05/24	NE DOUGLAS STREET FROM SE 2ND STREET TO NE CHIPMAN ROAD MO-DOT Jackson County, MO Senior Architectural Historian. The City of Lee's Summit, Missouri proposed multi-modal transportation improvements along Northeast Douglas street, a main north-south thoroughfare lined with residential neighborhoods north of the city's downtown. Stantec was retained to conduct a historic resources survey for compliance with Section 106 of the National Historic Preservation Act. The APE comprised three properties previously determined eligible for listing in the NRHP and two NRHP-listed residential historic districts. As a result of the survey, Stantec personnel documented 118 residential, educational, commercial, and religious late nineteenth to mid-twentieth century resources and prepared a historic context documenting the historical development of the APE. The project required close coordination with engineering and SHPO personnel to avoid an adverse effect related to the removal of mature trees from the historic properties and districts. Once SHPO concurred with no adverse effect under Section 106, Stantec prepared documentation to support FHWA pursuing a de minimis 4(f) impact for permanent easements and documented that the conditions of a temporary occupancy would not result in a Section 4(f) use from temporary easements.				

07/24 - 11/24	SEAWOLF PARK FISHING PIER EXTENSION Park Board of Trustees of the City of Galveston Galveston County, TX Senior Architectural Historian. Stantec was contracted by the Park Board of Trustees of the City of Galveston to extend the Seawolf Park Fishing Pier on Pelican Island in Galveston County, Texas. The project, which included an offshore staging area, a larger offshore construction area, a laydown area within the park, and a 1-mile-long access road, received Public Assistance funds for an Alternate Project from Federal Emergency Management Agency (FEMA), as well as permitting or review from other federal agencies. As a result, the project was subject to Section 106 of the National Historic Preservation Act. The park site has known historical significance as an immigration station for a major port of entry and later as a memorial to U.S. Navy submariners. There are two Navy ships dry-docked in the park that are listed in the National Register of Historic Places and the offshore area has a high potential for shipwrecks and marine archeology. To assist the Park Board in compliance with its Section 106 responsibilities delegated by FEMA, Stantec archeologists and architectural historians conducted a detailed desktop study of the project to demonstrate to the Texas SHPO that the project posed no adverse effects to historic properties. After the desktop study's submittal, Stantec's quick response to informal questions from the SHPO allowed SHPO to complete review within one 30-day review period rather than conduct a formal coordination process that could extend the review period another 30 days or longer. SHPO concurred with the findings of the desktop study and the Park Board was able to avoid the expense and time of cultural resources surveys.
01/22 - 06/23	HISTORIC RESOURCES SURVEY FOR US-290/SH 36 INTERCHANGE IMPROVEMENTS Texas DOT Washington County, TX Senior Architectural Historian. Stantec conducted a historic resources reconnaissance survey, intensive survey, and 4(f) evaluation for proposed improvements to this interchange in Brenham, Texas. The project was federally funded by FHWA through TxDOT and was subject to compliance with Section 106 of the National Historic Preservation Act. For the reconnaissance survey, Stantec historians prepared a research design, developed a historical context, conducted field survey and documentation of 150 resources 45 years old or older within the project Area of Potential Effect, and evaluated adverse effects to identified historic resources. Due to the proposed displacement of a historic-age farmstead, TxDOT also requested an intensive survey of that property, which Stantec subsequently recommended not eligible for the National Register of Historic Places. As the project required removal of the Old Mill Creek Bridge, a historic bridge previously determined eligible for the National Register of Historic Places by TxDOT, Stantec also prepared a Programmatic Section 4(f) Evaluation for the bridge. As a result of project design changes, Stantec historians conducted additional reconnaissance survey and prepared an addendum report for TxDOT to coordinate with SHPO and resolve Section 106 consultation. Other than the adverse effect to the historic bridge for its removal, Stantec recommended a determination of no adverse effect to historic properties, with one de minimis finding for a historic resource where a small area of right-of-way was required from the property boundary. The project received a FONSI on 3/5/2024.
08/18 - 09/22	FM 359 FROM FM 1093 TO FM 359/MASON ROAD IDCUS for TxDOT Fort Bend County, TX Principal Investigator. IDCUS retained Stantec (then Cox McLain Environmental Consulting, Inc. (CMEC)) for a historical resources survey for a road widening project. The project was federally funded by FHWA through TxDOT and was subject to compliance with Section 106 of the National Historic Preservation Act. Located in a historically rural part of Fort Bend County on the outskirts of Houston, the APE contained 231 resources 45 years or older at the projected project letting date. Challenges unique to this project included the evaluation of several moved resources and atypical late-twentieth century resource types. To adequately evaluate the surveyed resources, CMEC conducted a combination of windshield, reconnaissance, and intensive surveys, and developed a broad historical context in both the research design and report-writing stages of the project. Historical functions of these resources ranged from agriculture to commerce, domestic, education, funerary, industry, recreation and culture, religion, and transportation and dates of construction ranged from the late nineteenth to the late twentieth century. CMEC initially recommended six properties eligible for the National Register of Historic Places, with a recommendation of adverse effect to one residence that would have been displaced by the proposed project. TxDOT contracted the CMEC team for an intensive survey of the residence and its associated farm, but the residence was moved by the property owner and another property was demolished by a private developer. As a result, the final report for the project recommended four properties eligible for the NRHP: a ca. 1890 National Folk single-family dwelling, a ca. 1905 African American schoolhouse, an agricultural complex and historic district with 26 contributing resources, and a 1929 company store and its ca. 1929 associated residence. CMEC recommended no adverse effects to the four resources. A Section 4(f) de minimis finding resulted for the store and residence, due to a small clip of right-of-way from within the property boundary that did not result in the loss of contributing resources or character-defining features. In addition, although TxDOT had already designed the project to avoid displacement of the schoolhouse, input from Section 106 consulting parties led TxDOT to redesign the roadway at its location to eliminate proposed right-of-way from the property. The final historic resources survey report was submitted September 2022.
01/15 - 08/18	LAFAYETTE URBAN SECTION, I-49 CONNECTOR LADOTD Lafayette Parish, LA Senior Architectural Historian. Provided description and evaluation of identified historic-age buildings and structures in the Area of Potential Effect for this highway project in Louisiana to assist Louisiana Department of Transportation and Development in fulfilling their responsibilities under Section 106 of the National Historic Preservation Act. Project had a strong public involvement process and required meetings with consulting parties identified by the Federal Highway Administration and Louisiana Department of Transportation and Development.

		Stantec Consulting Services Inc.		
NAME	Ken Gergely	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	2	
TITLE	Staff Archaeologist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	2	
DEGREE(S) / YEARS / SPECIALIZATION		MPS 2023 Cultural and Heritage Resource Management // BS 2015 History/Anthropology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Registered Professional Archaeologist #5706 National N/A		
YEAR REGISTERED	2023	DISCIPLINE	Archaeology	
Contract role(s) / brief description of responsibilities	Ken has over 20 years of leadership and operational management in austere environments. He has project experience in 11 different states and Puerto Rico. His archaeological expertise is in the conduct of Phase I intensive archaeological surveying and operational management. Ken is also a subject matter expert (SME) on compliance with cultural and natural resources programs, the National Environmental Protection Act (NEPA), and noise pollution. He will provide ENVIRONMENTAL AND SECTION 106/4(f) COMPLIANCE SERVICES for this contract. Ken meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 11			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/25 - Ongoing	TEXAS GATEWAY Pernnial Carthage, TX to Lake Charles, LA Project Archaeologist. Ken coordinated with client to provide crews up to 16 cultural resources staff to conduct pedestrian survey augmented by shovel testing, along with site revisits for prehistoric and historic sites, and the delineation and recording of several new prehistoric and historic sites.			
11/24 - 05/26	GERONIMO CREEK SEWER INTERCEPTOR City of Seguin, TX Gaudalupe County, TX Principal Investigator. Ken served as the PI for this project. He was the sole author of report and directly supervised fieldwork.			
11/23 - 09/25	ORANGE USACE Orange, TX Project Archaeologist. Ken provided SOI-qualified monitoring of bore sites to ensure no cultural resources were unrecorded in the Project Area. Conducted revisits of several recorded prehistoric and historic sites. Coordinated with partner company, Jacobs, on providing cultural resource monitors for a variety of monitoring. Provided field support and quality assurance and quality control of deliverables. Handled all travel arrangements for crews on site. Sole author on Cultural Resources report.			
07/23 - 08/23	SPACE X CLEANUP SpaceX Brownsville, TX Lead Archaeologist. Ken performed an intensive area survey and monitoring to ensure no known historical structures or indigenous sites were damaged during the launchpad explosion or subsequent cleanup.			
03/24 - 06/24	BULLDOG SOUTH Atmos Carthage, TX Principal Investigator. Ken conducted an intensive archeological survey in support of an Atmos project. Prepared and submitted the report promptly.			
09/23 - Ongoing	ATMOS ON CALL PERMITTING Harris County Flood Control District Harris County, TX Project Archaeologist. Ken performed intensive pedestrian survey with shovel testing to ensure that all cultural resources within the Project Area were recorded. Conducted recording and verification of boundaries with mechanical equipment of unknown cemetery. Supervised archaeological field technicians and provided them with guidance. Compiled shovel test data to input into the report.			
10/23 - 10/23	VAL VERDE SHOOTING RANGE Val Verde, TX Project Archaeologist. Ken conducted an intensive pedestrian survey supplemented by photographing and shovel testing the project area. After completing the study, he was the main author of the report for the client.			
05/24 - 05/24	PLANTERSVILLE CULTURAL RESOURCES SURVEY Brazos Electric Power Cooperative Plantersville, TX Principal Investigator. Ken conducted background research to develop a plan for archaeological investigation and survey of APE. Conducted the field survey and wrote up the report following fieldwork.			
05/23 - 06/23	IRONWOOD EXPRESS Gonzales, TX Lead Archaeologist. Ken performed an intensive pedestrian survey with shovel testing to ensure that all cultural resources within the Project Area were recorded. Supervised archaeological field technicians and provided them with guidance.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Scotty Moore, RPA	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	8	
TITLE	Principal, Senior Archaeologist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	17	
DEGREE(S) / YEARS / SPECIALIZATION		MA 2001 Anthropology // BS 1999 Anthropology/Geology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Registered Professional Archaeologist #13500 National N/A		
YEAR REGISTERED	2005	DISCIPLINE	Archaeology	
Contract role(s) / brief description of responsibilities	Scotty provides archaeological and geoarchaeological expertise gained from completing over 250 cultural resource management projects in 21 states and conducting archaeological research in 22 countries since 2001. He has extensive experience developing and supervising all phases of cultural resources work and has substantial experience working with tribal authorities and federal/state agencies, including multiple US Army Corps of Engineers districts, Bureau of Indian Affairs, Bureau of Land Management, US Department of Defense, US Customs and Border Patrol, and multiple Native American communities. In addition to authoring and co-authoring several lithic and geoarchaeological publications, he has contributed to numerous environmental documents such as Categorical Exclusions (CEs), Environmental Assessments (EAs), and Environmental Impact Studies (EISs) for municipal, state, and federal projects and has extensive experience with federal and state regulations concerning cultural resources preservation and Native American concerns. Scotty will provide ARCHAEOLOGICAL SERVICES for this contract. Scotty meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 12.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/23 - Ongoing	LA 604 PHASE I ARCHAEOLOGICAL AND ABOVE-GROUND HISTORIC RESOURCES SURVEY LADOTD Tensas Parish, LA Principal Investigator. Stantec conducted a cultural resources survey for the proposed improvements to Louisiana State Highway 604, including realigning the roadway as part of a larger USACE project to expand the levee that LA 604 currently parallels. As the project required authorization from the USACE, the project was subject to compliance with Section 106 of the National Historic Preservation Act. Stantec archeologists coordinated with the LADOTD and USACE (Vicksburg District) to establish the APE and conducted a phase I archaeological survey and an above-ground historic resources survey to evaluate resources in the area of potential effects (APE) for National Register of Historic Places (NRHP) eligibility and identify adverse effects of the proposed project to eligible properties in fulfillment of USACE's responsibilities under Section 106. Scotty was PI for the archaeological part of the project, which was conducted in compliance with the LA SHPO's survey standards. A total of 152 shovel tests were excavated within the ~33 acre (2.3 linear miles) project area. All shovel tests were negative for either historic or prehistoric cultural artifacts, and no cultural artifacts were observed on the surface within the Project Area. Scotty was responsible for client coordination, oversight and supervision of fieldwork, and preparation of content for the report.			
05/23 - 02/24	LA 87: LA 3182 - 0.65 MILES SE OF LA 3182 LADOTD Iberia Parish, LA Archaeology Task Lead/Project Manager. Supervised Phase I survey and Phase II testing for LADOTD's proposed improvements to pavement conditions and replacement of existing drainage along a segment of LA 87 near the Town of Jeanerette, LA. This proposed project would include removing and replacing the existing drainage structures, milling the existing paved road, and asphalt overlay on the surface of LA 87. Developed scope and research design for reinvestigation of two known sites, 16IB49 and 16IB56. The former, a prehistoric shell midden, had previously been determined eligible for inclusion in the National Register.			
01/25 - Ongoing	LINE W19 Atmos, Inc. Wise County, TX Cultural Resources Task Lead. Served as cultural resources task lead for 5+ mile long LNG pipeline expansion west and north of Fort Worth, Texas. Coordinated with USACE and THC to develop research design, which included pedestrian survey, mechanical trenching, and scraping around a historic cemetery. Supervised field work and reporting under Section 106 due to permitting requirements of the Clean Water Act and the Texas Antiquities Code. No cultural resources were identified during the survey.			
07/21 - 08/22	UPRR BRIDGE REPLACEMENTS SMITH, UPSHUR, AND JOHNSON COUNTIES, TX Principal Investigator and Field Lead. Responsible for archaeological survey of three bridge replacement locations and associated access roads. Identified and recorded new Toyah Phase site (41RT623) that was determined to be eligible for the NRHP. Developed plan to avoid resources and allow construction to proceed with construction phase monitoring.			

08/22 - 11/22	L9-1 EMERGENCY PIPELINE REPLACEMENT PROJECT Atmos, Inc. Waco, TX Cultural Resources Lead. Atmo's L9-1 liquid natural gas pipeline developed a leak below the Brazos River near Waco in August 2022. In order to install replacement pipe, Atmos had to apply for an emergency Individual Permit with the US Army Corps of Engineers - Fort Worth District. Mr. Moore, serving as cultural resources lead, quickly mobilized crews to perform archeological survey of the access roads and staging areas associated with the replacement project and successfully argued for construction-phase monitoring. Mr. Moore then supervised archeological monitoring efforts for the project for the follow two months and authored the technical report for USACE Section 106 compliance.
02/25 - Ongoing	LINE DE Atmos, Inc. Athens, Texas Cultural Resources Task Lead. Served as cultural resources task lead for 20+ mile long LNG pipeline expansion west and north of Athens, Texas. Coordinated with USACE and THC to develop research design, which included pedestrian survey, mechanical trenching, and scraping around a historic cemetery. Supervised field work and reporting under Section 106 and the Texas Antiquities Code. One historic cemetery was relocated and delineated; no other cultural resources were identified.
02/25 - Ongoing	LOOP WA PHASE 3 Atmos, Inc. Wise County, TX Cultural Resources Lead. Served as cultural resources task lead for 10+ mile long LNG pipeline expansion west and north of Fort Worth, Texas. Coordinated with USACE and THC to develop research design, which included pedestrian survey, mechanical trenching, and scraping around a historic cemetery. Supervised field work and reporting under Section 106 due to permitting requirements of the Clean Water Act and the Texas Antiquities Code.
06/18 - 11/22	NORTH HOUSTON HIGHWAY IMPROVEMENTS PROJECT (NHHIP) – DEIS AND FEIS Harris County, TX Project Archaeologist. For this approximately 25-mile project along I-45 from US-59/I-69 to Beltway 8 North, including improvements on US-59/I-69 between I-45 and Spur 257 in Harris County, Texas, TxDOT proposes to add four managed express (MaX) lanes on I45 from Downtown Houston to Beltway 8 North, reroute sections of I45, realign sections of I10 and US 59/I69, and depress a section of US 59/I69. Our team of planners served as peer reviewers and supporting writers for the Community Impacts Assessment and Environmental Justice analysis. Community resources were the focus of the Cumulative Impacts Analysis Technical Report written by our planners. This in-depth analysis (folding in visual resources, noise and air quality concerns as a component of CIA, plus authoring the related indirect and cumulative impacts addendum to the Historic Resources Survey Report) deepened our experience with clearly defining super neighborhoods, promoting active two-way communications with community representatives, and reviewing public involvement materials to document community engagement efforts. Development of mitigation measures with the entire TxDOT and consultant team has built a strong understanding of the potential for collaboration and customization to substantially improve major projects. Team members prepared Technical Reports for the FEIS for Indirect and Cumulative Impacts, Hazardous Materials, Biological Resources, Archeological Resources Surveys (under our Health and Safety Plan for hazardous materials), in addition to preparing DEIS and FEIS text sections. The team wrote the Executive Summary and compiled the FEIS from the various Technical Reports prepared over many years by technical team members and facilitated the TxDOT comment/response phase. Record of Decision signed February 3, 2021.
01/23 - 06/23	FAULKNER ROAD AT PEACH CREEK BRIDGE IMPROVEMENTS PROJECT TxDOT Montgomery County, TX Senior Archaeologist. Served as senior archaeologist for an archaeological survey for the Texas Department of Transportation (TxDOT). Coordinated an archaeological and pedestrian survey for the proposed footprint of 95-foot long bridge and associated proposed right of way additions in Montgomery County, Texas. The survey covered approximately 1 acre and included the implementation of shovel testing and pedestrian survey. No cultural materials were identified during the survey.
09/23 - 0824	RACCOON ISLAND RESTORATION PROJECT NOAA Raccoon Island, LA Cultural Resources Lead. Cultural resources lead for federal barrier island restoration project. Supervised developed of data gap analysis, archeological research design, and Phase I archeological survey.

FIRM EMPLOYED BY		Stantec Consulting Services Inc.	
NAME	Dana Taggart, RPA	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	3
TITLE	Archaeologist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	10
DEGREE(S) / YEARS / SPECIALIZATION		MA 2020 Applied Anthropology // BA 2005 Anthropology	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Registered Professional Archaeologist #5773 National N/A	
YEAR REGISTERED	2005	DISCIPLINE	Archaeology
Contract role(s) / brief description of responsibilities	Dana has a diverse array of professional experience, ranging from archaeological surveys and laboratory work performed in Humboldt County, California; excavations and data recovery, historic and prehistoric artifact analysis, curation, tribal consultation, and archaeological research in the states of Alabama, California, Louisiana, and Texas, as well as in the country of Belize; to historic preservation and research in Rome, Italy. Dana's previous assignments have involved projects at Vandenberg Space Force Base (VSFB) in Santa Barbara County, California, as field supervisor and crew lead for Section 106 and Section 110 studies for several launch sites; archaeological investigations in support of infrastructure improvements with the Union Pacific Railroad, CSX, and Amtrak; a multi-year faunal analysis & cataloguing project in support of remediating a historic military collection; multiple remains recovery projects for the Humboldt County Sheriff's Department; CEQA compliance research and fieldwork for the Montecito Fire Department and several cities and counties in California; and extensive surveying, data recovery, and curation projects in and around the state of Louisiana for both private and public entities, including LADOTD, NOAA, and the GSA. Dana has taken the course on Section 106 of the National Historic Preservation Act offered by the Advisory Council (2008). She will provide ARCHAEOLOGICAL SERVICES for this contract. Dana meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 12		
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
03/23 - 10/23	LA 604 PHASE I ARCHAEOLOGICAL AND ABOVE-GROUND HISTORIC RESOURCES INVESTIGATION LADOTD Tensas Parish, LA Lead Archaeologist. Stantec conducted a cultural resources survey for the proposed improvements to Louisiana State Highway 604, including realigning the roadway as part of a larger USACE project to expand the levee that LA 604 currently parallels. As the project required authorization from the USACE, the project was subject to compliance with Section 106 of the National Historic Preservation Act. Stantec archeologists coordinated with the LADOTD and USACE (Vicksburg District) to establish the APE and conducted a phase I archaeological survey and an above-ground historic resources survey to evaluate resources in the area of potential effects (APE) for National Register of Historic Places (NRHP) eligibility and identify adverse effects of the proposed project to eligible properties in fulfillment of USACE's responsibilities under Section 106. Dana was lead archaeologist on the project, which was conducted in compliance with the LA SHPO's survey standards. A total of 152 shovel tests were excavated within the ~33-acre (2.3 linear miles) project area. All shovel tests were negative for either historic or prehistoric cultural artifacts, and no cultural artifacts were observed on the surface within the Project Area.		
04/24 - 01/25	I-20 AND TARBUTTON ROAD INTERCHANGE LADOTD Ruston, LA Archaeologist. Coordination of Cultural Resources investigation and analysis (archaeology and above-ground resources). Led archaeological investigation, wrote report collaboratively with historians for submittal to LADOTD and the City of Ruston.		
06/23 - 10/25	LA 87 PROJECT Jeanerette, LA Archaeologist. Cultural resources evaluation of APE for a road widening project; archaeological monitoring of construction activities; authored report.		
09/25 - Ongoing	AMTRAK PTC NOLA SYSTEM INSTRUMENT HOUSE REPLACEMENT New Orleans, LA Cultural Resources Lead. Led cultural resources investigation, analyzed data; artifact analysis; authored reports; conducted, coordinated, and supervised both archaeological and bioarchaeological monitoring for construction-related ground disturbance in New Orleans and Mobile.		
10/23 - Ongoing	AMTRAK GULF COAST PASSENGER RAIL RESTORATION – EARLY ACTION PROJECTS Mobile, AL and New Orleans, LA Cultural Resources Lead. Led cultural resources investigation, analyzed data; artifact analysis; authored reports; conducted, coordinated, and supervised both archaeological and bioarchaeological monitoring for construction-related ground disturbance in New Orleans and Mobile.		
02/25 - 08/25	CHEVRON NEW ENERGIES PASCAGOULA WELL PAD PROJECT Pascagoula, MS Cultural Resources Task Lead for a Section 106 compliance project involving project planning, analysis, survey, and a multi-disciplinary report.		



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

FIRM EMPLOYED BY		Stantec Consulting Services Inc.	
NAME	Emily Reed	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	4
TITLE	Principal, Senior Architectural Historian	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	15
DEGREE(S) / YEARS / SPECIALIZATION		MS 2010 Historic Preservation // BA 2006 History and Architectural History	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A	
YEAR REGISTERED	N/A	DISCIPLINE	N/A
Contract role(s) / brief description of responsibilities	Emily is a Senior Architectural Historian with over a decade of experience in property assessments, historic preservation, and related work, including research, documentation, and regulatory compliance. She manages a team of 15 historians in four states. She has 19 years of experience supervising Section 106 compliance. Her expertise includes surveying, assessing, and documenting historic properties and determining eligibility for the National Register of Historic Places in compliance with Section 106 and NEPA; Section 4(f) determinations; archival research; and historic context development. She exceeds the Secretary of the Interior's professional qualifications for Architectural Historian. Emily will provide HISTORIC ARCHITECTURE SERVICES for this contract. Emily meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 13.		
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23 - 10/23	HISTORIC RESOURCES SURVEY FOR LOUISIANA STATE HIGHWAY 604 LADOTD Tensas Parish, LA Principal Investigator. Through Stantec's on-call contract with LADOTD, Stantec conducted a cultural resources survey for proposed improvements to Louisiana State Highway (LA) 604, including realigning the roadway as part of a larger USACE project to expand the levee that LA 604 currently parallels. As the project required authorization from USACE, it was subject to compliance with Section 106 of the National Historic Preservation Act. Stantec historians coordinated with LADOTD and USACE staff to establish the APE, prepared a research design with historic context, conducted field survey, and made recommendations regarding NRHP eligibility and effect. Stantec documented 47 above-ground historic resources on Louisiana Historic Resources Inventory forms. The project required evaluation of Lake Bruin State Park, established in 1956, and a nearby mid-century neighborhood.		
09/18 - 01/20	RECONNAISSANCE & INTENSIVE HISTORIC RESOURCES SURVEY OF US 79 FROM IH-35 TO EAST OF FM 1460 IN ROUND ROCK Williamson County, TX Principal Investigator. Principal Investigator for TxDOT reconnaissance survey of 64 resources and Section 106 evaluation. Project also included an intensive survey of 3 properties. Prepared research design and conducted fieldwork and research. Intensive work included deed research, oral history interviews, architect research, and a comparative analysis of children's homes across the state. Recommended revised NRHP boundary for NRHP-listed resource and recommended another property eligible for the NRHP. Applied criteria of adverse effect to historic properties for compliance with Section 106. Assessed use under Section 4(f) and developed documentation in support of de minimis Section 4(f) finding. TxDOT and SHPO concurred with findings.		
04/23 - Ongoing	CULTURAL RESOURCES OVERSIGHT ASSISTANCE FOR LOCAL PUBLIC AGENCY PROJECTS Missouri DOT Statewide, MO Principal Investigator. Assists the Missouri Department of Transportation (MoDOT) with cultural resources reviews for projects sponsored by Local Public Agencies (LPAs) receiving funding from MoDOT. Serves as an extension of MoDOT staff and provide advisory and oversight review of materials submitted by LPAs for compliance with Section 106 of the National Historic Preservation Act and Section 4(f) of the DOT Act. Reviews project plans to determine whether various programmatic agreements apply to the project and then makes determinations regarding any required cultural resources investigations. Assists LPAs in defining an area of potential effects and evaluate recommendations regarding eligibility and effect. Provides National Register of Historic Places eligibility evaluations for all bridges that may be affected by proposed projects. Attends a monthly call with the Missouri SHPO to receive project and program updates.		
11/17 - 04/23	DIVISION OF ST. JOHN NRHP UPDATE Covington, St. Tammany Parish, LA Principal Investigator. Comprehensive and up-to-date inventory of properties within the Division of St. John NRHP District. Re-surveyed resources documented in the original NRHP nomination and document resources that had reached historic-age since the 1982 listing. Also included a windshield survey of surrounding neighborhoods to identify potential district expansion areas and identify and document select properties with potential historical significance. In total, 300 resources were documented on our tablet-based data collection system that incorporated information from the NRHP nomination and a previous survey. Deliverables included the historic context, recommendations for an NRHP boundary change, identification of contributing and noncontributing resources within the existing NRHP district, results of the windshield survey, and eligibility recommendations for the surround area. Following the survey, the City retained Stantec to prepare an update to the NRHP nomination. The nomination establishes periods of significance, revises the areas and level of significance, decreases the boundary, and reevaluates the properties in the district. It was listed in the NRHP in 2023.		



10/24 - 07/25	GONZALES COUNTY BRIDGE MITIGATION DOCUMENTATION Texas DOT Gonzales County, TX Principal Investigator. Principal Investigator for the preparation of a TxDOT bridge documentation report as mitigation for adverse effects from the proposed replacement of two metal truss bridges in Gonzales County, Texas, at the request of the Gonzales CHC. The intent of the report is to assist the CHC in interpreting the county's historic bridges by providing information on local bridge types, fabricators, builders, and engineering features. In consultation with TxDOT and the Commission, Stantec identified a study population of five historic bridges. The study included field documentation, with drone photography, of four of the bridges; one bridge was not extant. Deliverables included a research design; a report summarizing the engineering and technology history of the bridges in the study population and the general history of bridges and their builders in Gonzales County; a fieldwork report illustrating engineering and technology concepts and themes; and a draft and final bridge documentation report presenting a history of the study population bridges, that incorporated information from the previous deliverables. The final report had to be at a high school reading level, despite providing information on historic engineering technology.
09/21 - 07/25	US 79 AT BRAZOS RIVER SECTION 4(F) PROGRAMMATIC BRIDGE EVALUATION Texas DOT Robertson County, TX Principal Investigator. Prepared a Section 4(f) Programmatic Evaluation of Historic Bridge for the US 79 at Brazos River Bridge Replacement Project. TxDOT proposed to replace the existing bridge at an offset location. The project involved the consideration of Section 4(f) use for the existing bridge, which was previously determined eligible for the National Register of Historic Places under Criterion C for its exceptionally long main span. Prepared the Programmatic Section 4(f) Evaluation, analyzing project alternatives and thoroughly documenting all aspects of previous engineering assessments and decisions. While the demolition of the historic bridge is a use alternative, determined that all avoidance alternatives were neither feasible nor prudent.
10/18 - 05/20	RECONNAISSANCE HISTORIC RESOURCES SURVEY OF S. PRESA STREET FROM WEST BOYER AVENUE TO SOUTHEAST MILITARY DRIVE, SAN ANTONIO Bexar County, TX Principal Investigator. Principal Investigator for reconnaissance survey of 127 resources and Section 106 evaluation for project proposing improvement to S. Presa Street in downtown San Antonio. Investigations resulted in recommendation of six properties as eligible for the NRHP, including the San Antonio State Hospital, a school, a fire station, a telephone exchange, and two tourist courts. Project also included documentation of a sanctuary by O'Neil Ford. Evaluated potential adverse effects to the properties recommended eligible. Assessed use under Section 4(f) and developed documentation in support of de minimis Section 4(f) finding.
03/20 - 07/20	PROGRAMMATIC SECTION 4(F) DOCUMENTATION FOR CR 136 AT DINNER BRANCH DRAW Texas DOT Eastland County, TX Principal Investigator. Served as Principal Investigator for preparation of TxDOT Programmatic Section 4(f) Documentation for a 1937 bridge constructed by the Works Progress Administration with masonry abutments. Conducted analysis, coordinated with TxDOT District, Bridge Team, and ENV, and prepared all required documentation.
07/19 - 01/20	BRIDGE MITIGATION DOCUMENTATION FOR COUNTY ROAD 179 BRIDGE AT BIG ELM CREEK Texas DOT Falls County, TX Principal Investigator. Served as Principal Investigator for preparation of a TxDOT Historic Bridge Documentation Report as mitigation associated with the removal of the 1884 NRHP-eligible bowstring pony truss bridge from County Road 179 at Big Elm Creek in Falls County. Developed a context for the bowstring truss bridge type and the role of transportation in the communities the bridge served. Performed archival research (including review of County Commissioners Court minutes and historic maps), researched the bridge manufacturer (King Iron Bridge and Manufacturing Company), and the bridge's construction and use history, including a summary of the need for replacement. Report accepted by TxDOT.
01/22 - 07/22	SECTION 106 EVALUATION FOR THE CARNAHAN CANAL AND CURIOSITY STREET BRIDGE City of San Antonio Bexar County, TX Principal Investigator. Principal Investigator for Section 106 eligibility and effects evaluation for the Carnahan Canal (Witte Channel) and Curiosity Street bridge, structures built in the 1930s and 1940s. Project required a permit from the USACE, triggering compliance with Section 106 of the NHPA. Evaluated significance and integrity to make NRHP eligibility recommendation and applied criteria of adverse effects for the undertaking.
12/17 - 11/18	FM 51-SH 199 HISTORIC RESOURCES SURVEY Parker County, TX Principal Investigator. Historic Resources Reconnaissance Survey and Section 106 coordination for a project to widen FM 51, bridge replacement for FM 51 over Walnut Creek, and sidewalk replacement and new construction on SH 199. Report documented 55 historic resources dating from 1854 to 1972 in the downtown area. Properties recommended eligible included a residence, a Eureka lodge, and the Springtown Tabernacle, constructed by the Civilian Conservation Corps. A district was also recommended eligible as the Springtown Commercial Historic District. Assessed effects for Section 106 and Section 4(f) applicability. Protection notes would ensure that metal threshold plates present on buildings in the historic district are undisturbed and existing columns/awning supports are protected to avoid adverse effect.

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Josh McEnany	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	1	
TITLE	Senior Project Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	25	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2000 Forest Ecosystem Management		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Josh is a Senior Project Manager and Environmental Scientist in the Baton Rouge, Louisiana office with 26 years of experience in environmental consulting, project management, and natural resources studies and investigations. He has participated in and supervised projects ranging in size from large military bases encompassing over 40,000 acres to small, site-specific areas of less than 1 acre. The value of these projects has also been quite diverse, ranging from \$500 to \$1.6 million. Through the years he has performed field surveys in 42 states and have supervised large multidisciplinary teams of up to 15 staff members, consisting of environmental planners; wetland, wildlife, and fisheries biologists; botanists; terrestrial and aquatic ecologists; restoration ecologist, plant abatement technicians; and GIS specialists. Josh has been responsible for managing large National Environmental Policy Act (NEPA) documents, conducting jurisdictional wetland determinations, completing Clean Water Act Section 401/404 USACE permits, performing threatened and endangered species surveys, conducting informal and formal Section 7 consultation with the U.S. Fish and Wildlife Service, using Habitat Evaluation Procedures (HEP) to model potential impacts to wildlife species for Section 206 Aquatic Restoration projects, vegetation and habitat assessments, developing environmental checklists, agency coordination, and public involvement (Scoping Meetings). He has prepared and manages Environmental Impact Statements (EISs), Environmental Assessments (EAs), Categorical Exclusions (CEs), and Biological Assessments (BAs). Josh will provide WETLANDS AND THREATENED AND ENDANGERED (T&E) SPECIES services for this contract. Josh meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 14			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/24 - 12/24	WETLAND AND WATERBODIES DELINEATION FOR LOUISIANA STATE UNIVERSITY REFFS Louisiana State University Baton Rouge, LA Wetland Scientist. Josh was the lead wetland scientist. He delineated the 40 acre site for wetland and waterbodies that would be regulated under the Clean Water Act. He conducted the wetland delineation, authored the report, and submitted the report to the client.			
10/21 - 12/23	WETLAND DELINEATION FOR THE EASTERN JACKSON COUNTY WASTEWATER TREATMENT PLANT Pascagoula, MS Project Manager/Wetland Scientist. Initially Josh, completed multiple wetland investigations across multiple tracts within and surrounding Pascagoula, Mississippi. This was done to find the most adequate tract to potentially sit a new East Jackson County Wastewater Treatment facility. In total there were four tracts (totaling more than 330 acres) that were investigated for the presence and extent of potential jurisdictional waters of the United States (U.S.), including wetlands. Additionally, over 12 miles of pipeline was delineated. Josh not only completed the wetland delineations but managed the project, authored the report, and acted as the liaison between the USACE and the client. He also worked with Arcadis to identify potential mitigation banks and solutions, as well as completed wetland function assessments.			
11/20 - 12/21	WETLAND DELINEATION FOR PROPOSED WIND TURBINES IN QUITMAN AND TUNICA COUNTY, MISSISSIPPI Tunica, MS Project Manager/Wetland Scientist. This project was to perform a wetland delineation across 31,000 acres of agricultural, sloughs, swamps, and natural brakes within Quitman and Tunica Counties, Mississippi. Josh was the project manager and senior wetland ecologist for this project. He led a team of 4 wetland ecologists for a period of 3 weeks conducting the surveys using sub-meter accurate GPS equipment. The original estimated time to complete the project per CSRS was approximately 5 weeks; however, Josh and his team were able to accomplish the work within only 3 weeks through the use of innovated mapping tools, wetland delineation tactics, and time management practices. Josh was also responsible for coordination between not only his client but also other companies that completed other various tasks not associated with the wetland delineation.			
09/19 - 12/20	WETLAND DELINEATION OF THE STUART MESA WEST AGRICULTURAL FIELDS, COASTAL DUNES AND BLUFF ON MARINE CORPS BASE CAMP PENDLETON (MCBCP) NAVFAC Southwest Camp Pendleton South, CA Project Manager/Wetland Scientist. Responsible for conducting the wetland delineation, authoring the report, and coordination between the USACE and MCBCP.			

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

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Elton Muzny	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	3	
TITLE	Senior Environmental Scientist	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	22	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1998 Wildlife and Fisheries Management, Ecology Option		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Elton has 25 years of combined experience as a project manager and environmental scientist specializing in field assessments for biological, ecological, and cultural resources; preparation of formal environmental assessments and environmental impact statements; preparation of local, state, and federal permit applications; Phase I environmental site assessments; report preparation; environmental inspection and monitoring of construction projects; noise monitoring; wetland delineation; wetland mitigation; vegetation identification and composition analysis; indigenous wildlife assessments; Migratory Bird Treaty Act nest surveys; and endangered species surveys and mitigation. Elton will provide WETLANDS AND THREATENED AND ENDANGERED (T&E) SPECIES services for this contract. Elton meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 14			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/25 - 06/25	LINE WA Atmos Boyd, TX Lead Environmental Scientist. Conducted wetlands and waters delineations and threatened and endangered (T&E) species surveys on a pipeline project in Parker and Wise Counties, Texas.			
01/24 - 11/24	ENERGY STORAGE SYSTEM PROJECTS Doral Renewables TX Lead Environmental Scientist. Conducted wetlands and waters delineations and T&E species surveys on multiple project locations in Texas.			
08/24 - 12/24	NEWMAN SOLAR AND BESS PROJECT El Paso Electric El Paso, TX Lead Environmental Scientist. Conducted wetlands and water delineations and T&E species surveys on over 900 acres of land in El Paso County, Texas.			
10/24 - 12/24	HUT8 RIVERBEND DATA CENTER PROJECT Hut8 Saint Francisville, LA Lead Environmental Scientist. Assisted with the wetlands and waters delineation and T&E species surveys of approximately 500 acres of land near St. Francisville, Louisiana.			
04/24 - 12/24	TENNYSON CREEK PROJECT Doral Renewables Uniontown, KS Lead Environmental Scientist. Conducted wetlands and waters delineations and T&E species surveys on lands near Uniontown, Kansas.			
01/23 - 04/23	WELL PADS AND PIPELINES Chevron Carthage, TX Lead Environmental Scientist. Conducted wetland delineations and T&E species surveys for proposed oil and gas pipeline and well development near Carthage, Texas.			
02/23 - 05/23	CONROE INDEPENDENT SCHOOL DISTRICT (ISD) PROJECTS Conroe ISD Conroe, TX Lead Environmental Scientist. Conducted wetlands and waters delineations and T&E species surveys on various tracts of land near Conroe, Montgomery County, Texas.			
02/23 - 04/25	LINE S2, PHASE 3 Atmos Henderson and Smith Counties, TX Lead Environmental Scientist. Conducted delineations of wetlands and waters and T&E species surveys on a pipeline replacement project in Henderson and Smith Counties, Texas.			
05/23 - 05/23	SAVANNAH OAKS SOLAR PROJECT Savannah Oaks Solar Project, LLC Madison County, TX Lead Environmental Scientist. Conducted wetlands and waters delineations and T&E species surveys on a proposed solar project in Madison County, Texas			
08/23 - 09/23	CUCHILLAS SOLAR Webb County, TX Lead Environmental Scientist. Conducted wetlands and waters delineations on a proposed solar project in Webb County, Texas			

10/22 - 03/23	ASPEN PIPELINE PROJECT AMP Intrastate Pipeline, LLC Washington, Waller, and Austin Counties, TX Project Manager/Lead Environmental Scientist. Conducted the wetlands and waters delineation, T&E species surveys, and permitting for 54 miles of 30-inch diameter natural gas pipeline from Burton, Texas to Katy, Texas.
06/22 - 07/22	DRUM BAY Louisiana Dept. of Wildlife and Fisheries St. Bernard Parish, LA Lead Environmental Scientist. Conducted side-scan sonar mapping and oyster habitat surveys of Drum Bay in St. Bernard Parish, Louisiana.
10/21 - 09/22	FORT BEND FLOOD CONTROL DISTRICT PROJECTS Fort Bend County, TX Lead Field Biologist. Assisted as a field lead conducting wetland delineations on 16 projects in Fort Bend County, Texas.
09/19-03/20	MONT BELVIEU PIPELINE Enterprise Products Partners, LP TX Lead Environmental Scientist. Conducted the wetland and waters delineations and T&E species surveys on pipelines in Harris and Chambers counties, Texas..
01/04-12/17	MITIGATION BANKS TX Lead Environmental Scientist. Performed environmental assessments, wetland delineations, and document drafting for Martin Creek, Mud Creek, Mill Creek, and Rose City mitigation banks in Texas.
01/15 - 06/15	LONE STAR EXPRESS PIPELINE PROJECT Lone Star NGL Pipeline LP Mont Belvieu, TX Lead Environmental Scientist. Conducted the wetlands and waters delineation, T&E species surveys, and permitting for 266 miles of 30-inch-diameter & 266 miles of 24-inch-diameter natural gas liquids pipeline extending from Coynosa (Waha Hub), Texas to Mont Belvieu, Texas.
03/11 - 09/12	D'LO GAS STORAGE PROJECT D'Lo Gas Storage, LLC Rankin and Simpson Counties, MS Lead Environmental Scientist. Conducted the wetlands and waters delineation, T&E species surveys, and permitting of a FERC certificated natural gas storage cavern and pipeline system in Rankin and Simpson counties, Mississippi. Red-cockaded woodpecker surveys.
08/11 - 02/12	NEWFIELD-HUXLEY 12-INCH PIPELINE Hemphill, TX Lead Environmental Scientist. Conducted environmental assessment, wetland delineations, and permitting on a pipeline project within the Sabine National Forest. Also completed red-cockaded woodpecker surveys.
01/10 - 06/11	NATURAL GAS PIPELINES Whiskey Bay Desoto Parish, LA Lead Environmental Scientist. Conducted environmental assessment, wetland delineations, T&E species surveys, and permitting on numerous gathering pipelines and trunkline in Desoto Parish, Louisiana.
06/09 - 07/09	CAMERON COUNTY WIND FARM Cameron County, TX Lead Environmental Scientist. Performed T&E species survey, wetlands & waterbodies delineations, and document drafting for 6,234-acre wind farm project in Cameron County, Texas.
01/05 - 12/06	NATURAL GAS AND CO2 PIPELINES Denbury Onshore Lead Environmental Scientist. Conducted environmental survey and wetland delineations on pipeline projects. Red cockaded woodpecker surveys..
01/02 - 12/03	NATURAL GAS PIPELINES Gulf South Pipelines MS and LA Lead Environmental Scientist. Conducted environmental assessment, wetland delineations, and permitting on several natural gas pipelines in Louisiana and Mississippi. Red-cockaded woodpecker surveys.

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)		
NAME	Karla E. Weston, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	21	
TITLE	President	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	6	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1999 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 31010 LA 03/31/2028		
YEAR REGISTERED	2004	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Karla's 27 years of experience with LADOTD and other municipal entities on transportation projects provides her the knowledge and ability to oversee the firm's role as a sub-consultant and ensure the work is completed to LADOTD standards. Karla will provide ROAD & TRAFFIC QC services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/24 - 05/25	LA 335 LADOTD H.015949 LA SUE Professional Engineer. CD&C performed a SUE QL-B locates for the detailed topographic survey portion of the project at the intersection of LA 335 and Port Street. There were approximately 12 utilities in the project limits that CD&C's SUE department had to research and locate. CD&C utilized GPR to locate what is suspected to be abandoned underground gasoline storage tanks in the intersection. CD&C provided all appropriate SUE reports, data and plans for this project.			
11/25 - Ongoing	BRMA FAA LINE Baton Rouge Metropolitan Airport Baton Rouge, LA SUE Professional Engineer for the firm's SUE work on this project. This project included SUE QL- B utility information and topographic survey for various areas at BRMA including along Runway 4-L/22R, TB Herndon Ave, Taxiway L, Blast Pad for Runway 31, and the tower area. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.			
02/16-09/19	H.003047 PECUE LANE/I-10 INTERCHANGE Baton Rouge, LA Principal-in-Charge for the firm's role as a sub-consult for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. Karla worked to oversee the firms design, coordinate with the prime consultant and government agencies.			
12/13 - 10/19	H.02960 GRAMERCY BRIDGE St. James Parish, LA Principal-in-Charge for the firm's role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project			
02/14 - 02/15	H.010620 I-49 DESIGN BUILD Lafayette, LA QA/QC review for the Roadway Design Plans on this Design-Build Project for part of the I-49 South Corridor.			
05/13 - 05/14	H.009288.5 LA 1 RAILROAD BRIDGE AT DOW WBR Parish, LA Principal-in-Charge for the firm's role as a sub-consult for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She has worked to oversee the firms design and coordination with prime consultant team.			
01/06 - 12/12	EBR CITY/PARISH PROJECT NO. 06-CS-HC-0018, Fairchild-Badley Roadway EBR Parish, LA Principal in Charge for this project that was approx. 1.25 miles in length along Fairchild-Badley Road and also included approximately 600 linear feet of Elm Grove Garden Dr. CD&C designed the upgrade to the existing narrow roadway to a typical section of 2-11' lands with a 2' barrier curb and gutter, and a 6' adjacent sidewalk. This included the design of a new sub-surface drainage system throughout the length of the project as well.			
03/12 - 07/12	H.009104.5 - SUNSHINE BRIDGE PHASE 2 Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the repairs and widening to the Sunshine Bridge.			
05/11 - 04/12	RED RIVER - JACKSON STREET BRIDGE Alexandria, LA Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project. CD&C provided the Traffic Control design plans including detour maps of local road network for the replacement of the Jackson Street Bridge over the Red River.			

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)		
NAME	Chris Ballard, PLS	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	9	
TITLE	Survey Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	19	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2004 Biological Science		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PLS No. 5033 LA 09/30/2026		
YEAR REGISTERED	2010	DISCIPLINE	Land Surveying	
Contract role(s) / brief description of responsibilities	Chris serves as the SURVEY MANAGER for this project. He will work to oversee the project stays on schedule, aid in both crew coordination and office production, and provide final QC on the firm's deliverable to the Prime Consultant. Chris 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. Chris meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 10.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
12/22 - 05/23	LA 347 DRAINAGE IMPROVEMENTS LADOTD H.012618 Survey Manager. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
02/23 - 12/23	I-20 UPPR LADOTD H.012027.5 Survey Manager. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.			
09/18-01/20	I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 LADOTD H.004100 West and East Baton Rouge, LA Survey Manager. 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.			
04/17-07/17	LA 58 PETIT CAILLOU BRIDGE REHABILITATION (SARAH BRIDGE) LADOTD H.010006.5-3 Terrebonne Parish, LA Survey Manager for 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.			
02/19-09/19	BRIDGE REPLACEMENTS IN EAST FELICIANA PARISH Rural East Feliciana Parish, LA Survey Manager. Project included the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.			
01/17-12/17	EAST BATON ROUGE PARISH BRIDGES East Baton Rouge Parish, LA Survey Manager. In 2017, CD&C performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Mr. Ballard served as Survey Manager on each of these projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.			

10/16-11/16	LA 443: TANGI RIVER BRIDGE REPLACEMENT LADOTD H.012728.5 Tangipahoa Parish, LA Project Manager. Among the duties performed for the project were review of the crew work conditions, review & processing of the survey data, verification, and review of final submittal. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
09/17-09/17	DISTRICT 62 BRIDGES LADOTD H.012650.5-1 Livingston and Tangipahoa Parishes, LA Survey Manager. This project included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one was surveyed utilizing 3D Terrestrial Scanning.
10/15 - 12/18	I-10 TEXAS STATE LINE – EAST OF COONE GULLY LADOTD H.003184.5 Calcasieu Parish, LA Survey Manager. This project consisted of a 6-lane widening of I-10. Duties performed on this project included the review of the topographic survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)		
NAME	Madison Mills, PLS	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	5	
TITLE	Survey Project Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	4	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2016 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PLS No. 5293 LA 03/31/2027		
YEAR REGISTERED	2022	DISCIPLINE	Land Surveying	
Contract role(s) / brief description of responsibilities	Madison joined CD&C in 2021 as a Land Surveying Intern and became licensed as a Professional Land Surveyor. He serves as a Survey Technician and assistant PM for CD&C working to manage field crews, process field crew data, and finalize deliverables. Madison will provide SURVEYING services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/24 - 05/25	LA 335 LADOTD H.015949 Survey Project Manager. CD&C performed a detailed topographic survey portion of the project at the intersection of LA 335 and Port Street and a limited survey for a 3.5 mile portion of LA 335. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
12/24 - 04/25	LA 317 - WAX LAKE B LADOTD H.014824.5 Survey Project Manager. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
10/24 - 01/25	US 190 R CUTS AT LA741 LADOTD H.015849 Survey Project Manager. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
12/22 - 05/23	LA 347 DRAINAGE IMPROVEMENTS LADOTD H.012618 Survey Project Manager. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
09/23 - 12/23	LA 106 LADOTD H.015619.5 Survey Project Manager. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.			
05/23 - 08/23	LA 685 LADOTD H.015056 Survey Project Manager. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
05/23 - 08/23	LA 14 BUSINESS LADOTD H.015058 Survey Project Manager. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
02/23 - 12/23	I-20 UPPR LADOTD H.012027.5 Survey Project Manager. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.			
08/22 - 02/23	LOUISIANA WATERSHED INITIATIVE REGION 5 - TASK ORDER 3 4400017091 Survey Project Manager. Responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.			

01/22 – 11/22	LOUISIANA WATERSHED INITIATIVE REGION 5 – TASK ORDER 2 4400017091 Survey Project Manager. Responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.
09/21 – 03/22	SOUTHERN UNIVERSITY RAVINE PROTECTION LADOTD H.014747 East Baton Rouge Parish Surveyor. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University. The topographic data for this project was collected both traditionally and utilizing 3D Scanning.
08/21 – 08/22	ST. MARY STREET SIDEWALKS LADOTD H.011833.5 SCOTT, LA Surveyor. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked 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 will be in accordance with latest LADOTD Location and Survey standards.

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)		
NAME	Scott Benton	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	10	
TITLE	Survey Project Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	5	
DEGREE(S) / YEARS / SPECIALIZATION		N/A		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Scott serves as a Survey Project Manager and Senior Technician specializing in 3D Terrestrial Scanning, processing, and extraction. Scott will provide SURVEYING services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/24 - 05/25	LA 335 LADOTD H.015949 3D Scanning Technician. CD&C performed a detailed topographic survey portion of the project at the intersection of LA 335 and Port Street and a limited survey for a 3.5 mile portion of LA 335. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
12/24 - 04/25	LA 317 - WAX LAKE B LADOTD H.014824.5 3D Scanning Technician. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
10/24 - 01/25	US 190 R CUTS AT LA741 LADOTD H.015849 3D Scanning Technician. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
12/23 - 05/23	LA 347 DRAINAGE IMPROVEMENTS LADOTD H.012618 3D Scanning Technician. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
05/23 - 08/23	LA 685 LADOTD H.015056 3D Scanning Technician. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
05/23 - 08/23	LA 14 BUSINESS LADOTD H.015058 3D Scanning Technician. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
02/23 - 12/23	I-20 UPPR LADOTD H.012027.5 3D Scanning Technician. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.			
10/20 - 01/21	US 165 LIGHTING LADOTD H014302 Monroe, LA 3D Scanning Technician. CD&C was a sub-consultant on this project and was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.			
12/19 - 01/20	I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 LADOTD H.004100 West and East Baton Rouge, LA 3D Scanning Technician. 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.			

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)			
NAME	Jacob Stoehr		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		11
TITLE	Senior Survey Party Chief		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		1.5
DEGREE(S) / YEARS / SPECIALIZATION			N/A		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE			N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A		
Contract role(s) / brief description of responsibilities	Jacob will serve as a SURVEY PARTY CHIEF managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
12/24 – 04/25	LA 317 - WAX LAKE B LADOTD H.014824.5 Senior Party Chief on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
10/24 – 01/25	US 190 R CUTS AT LA741 LADOTD H.015849 Senior Party Chief on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
02/23 – 12/23	I 20: UNION PACIFIC RR OVERPASS LADOTD H.012027 Survey Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.				
09/21 – 03/22	SOUTHERN UNIVERSITY RAVINE PROTECTION LADOTD H.014747 East Baton Rouge Parish, LA Survey Party Chief on this project managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				
07/20 – 04/21	COMITE RIVER DIVERSION BRIDGE AT LA 67, LA 19 AND LA 19 RAILROAD BRIDGE LADOTD H.001352.5 and H.002273.5 East Baton Rouge Parish Survey Party Chief on 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. The topographic data for this project was collected traditionally.				
01/18 - 01/20	I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 LADOTD H.004100 West and East Baton Rouge, LA Survey Party Chief on 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.				
07/17 - 12/18	LA 30 ROUNDABOUTS AT TANGER I-10 LADOTD H.010960.5-2 Ascension Parish, LA Survey Party Chief on this project managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				
08/16 - 01/18	I-49 VEROT SCHOOL ROAD LADOTD H.011235 Lafayette, LA Survey Party Chief on this project managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				
02/19 - 09/19	BRIDGE REPLACEMENTS IN EAST FELICIANA PARISH Rural East Feliciana Parish, LA Junior Survey Party Chief on this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation must be in accordance with FEMA's policies and procedures.				
07/17 – 12/18	I-10 TEXAS STATE LINE EAST OF COONE GULLY LADOTD H.003184.5 Instrument Man on this project aiding the crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)		
NAME	Clarence J. Goodspeed	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	4	
TITLE	SUE Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	26	
DEGREE(S) / YEARS / SPECIALIZATION		N/A		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Clarence has 30+ years' experience in underground utilities. He 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. Clarence will serve as SUE MANAGER for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/24 - 05/25	LA 335 LADOTD H.015949 SUE Project Manager. CD&C performed a SUE QL-B locates for the detailed topographic survey portion of the project at the intersection of LA 335 and Port Street. There were approximately 12 utilities in the project limits that CD&C's SUE department had to research and locate. CD&C also utilized GPR to locate what is suspected to be abandoned underground gasoline storage tanks in the intersection.			
11/25 - Ongoing	BRMA FAA LINE SUE Project Manager. This project includes SUE QL- B utility information and topographic survey for various areas at BRMA including along Runway 4-L/22R, TB Herndon Ave, Taxiway L, Blast Pad for Runway 31, and the tower area. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable.			
12/24 - 04/25	LA 317 - WAX LAKE B LADOTD H.014824.5 Utility Coordinator. CD&C was a sub-consultant and was responsible for a complete topographic survey as well as an existing drainage map. The topographic survey of all utilities included depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits.			
03/23 - 12/23	MSY CAMPUS WIDE SEWER LOCATION SUE Manager. CD&C provided a combination of both a QL-B and QL-A for the Louis Armstrong Airport campus to locate it's sanitary sewer lines. This project encompasses the entire campus. All sewer manholes and gravity lines as well as sewer forcemains were located. Verification of pipe size and material was also required. CD&C provided all SUE appropriate reports and data for this project.			
01/24 - 03/24	RN NUCCIO ROAD SUE SUE Manager. For this bridge replacement project, CD&C provided SUE utility locations with SUE QL- B utility designation, and provided all SUE reports and data.			
04/24 - 05/24	BRMA FAA BORING: SUE Manager. Project included the coordination of SUE QL-B utility information and boundary survey of over 4 acres. Survey crews collected data to incorporate for the final deliverable which included boundary plat, and SUE reports, data, and plans.			
03/24 - 08/24	MSY EAST APRON EXPANSION SUE Manager. This project included the coordination of SUE QL-B utility information and topographic survey for over 7 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project included topographic survey, as well as SUE reports, data, and plans.			
03/24 - 05/24	MSY EMPLOYEE PARKING SUE Manager. Project included SUE QL- B utility information and topographic survey for approximately 0.5 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project included topographic survey, as well as SUE reports, data, and plans.			
02/24 - 05/24	BRMA RADAR DECOMP SUE Manager. Project included SUE QL- B utility information and topographic survey for over 2 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project included topographic survey, as well as SUE reports, data, and plans.			

FIRM EMPLOYED BY		Forte and Tablada, Inc.		
NAME	Joffrey Easley, MS, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	19	
TITLE	Project Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	3	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2000 Civil Engineering; MS 2003 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE 31542 LA 03/31/2027		
YEAR REGISTERED	2004	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Throughout his career, Joffrey has been responsible for the design and development of construction documents for many different bridge types; including PPC girder, steel girder (included rolled shapes and plate girders), and slab span bridges. He has load rated numerous bridges using the LRFR methodology; ranging from concrete slab span structures on local routes to urban corridor bridges several thousand feet in length on interstate routes. He has also rated many different types of movable bridges, including lift spans, swing spans, and bascule spans. Joffrey is also a certified bridge inspector, having completed the two-week NHI course entitled "Safety Inspection of In-Service Bridges". He has been the team leader for the inspection of numerous bridges across Louisiana, from small bridges inspected from an aluminum bateau to major river crossings requiring snoopers or man lifts to access the structural components. Joffrey will serve as SENIOR BRIDGE ENGINEER for this contract. Joffrey meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 4			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/22 - Ongoing	RETAINER CONTRACT FOR BRIDGE LOAD RATING SERVICES LADOTD Statewide, LA Project Manager, Load Rating Engineer, and Team Leader for Task Orders under a load rating retainer contract to perform a load rating for numerous bridges that have experienced a condition drop due to deterioration. The load ratings are being performed in accordance with LADOTD BDEM.96 – Publication of Load Rating, Posting and Strengthening Standard Operating Procedure (SOP). Task Order 1 is for the load rating of 95 on-system slab span bridges that have experienced a condition drop since the last load rating. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. (09/22 – 12/24) Task Order 6 is for the load rating of approximately 65 on-system girder bridges that have experienced a condition drop since the last load rating. Bridges vary from small bridges built using LADOTD Standard Plans to complex urban bridges several-thousand feet long. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. (06/23 – Ongoing) Task Order 10 is for the load rating of approximately 75 on-system bridges. Bridges include precast and CIP slab spans, CPM and box culverts, concrete and steel girder spans, and complex major river crossings. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. (04/25 – Ongoing)			
03/23 – 05/25	E LEWIS STREET BRIDGE UPGRADES Lafayette Parish, LA Project Manager. Responsible for a multi-phase project involving the inspection, load rating, and development of rehabilitation plans for a steel girder and slab span bridge that serves the University of Louisiana at Lafayette. Load rating utilized material testing and a 3-D laser scan to determine appropriate properties to consider for the load rating, which resulted in the removal of a 3-ton posting requirement. To improve the long-term performance of the bridge, rehabilitation plans are being developed, including strengthening of the steel girders, concrete spall and cracking repairs, a urethane-epoxy overlay of the bridge deck, and sidewalk repairs.			
03/18 – 05/22	RETAINER CONTRACT FOR OFF-SYSTEM BRIDGE LOAD RATING LADOTD Statewide, LA Project Manager, Load Rating Engineer, and Team Leader. Engineer for a retainer contract that includes multiple Task Orders to inspect and load rate off-system bridges and culverts across the state. Task Order 1 – Inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges. (01/18 – 02/19) Task Order 2 – Inspection and load rating of approximately 200 off-system bridges, consisting primarily of slab spans. (2019 – 2020) Task Order 2b and 3 – Inspection and load rating of approximately 200 culverts that meet the requirements to be considered a bridge across the state. Task included the development of unique inspection techniques utilizing 3-D laser scanning and sonar for the inspection of these structures. (10/19 – 10/20) Task Order 4 – Inspection and load rating of 340 off-system bridges, consisting primarily of slab spans, but also including concrete and steel girder spans, included the Linwood Avenue bridge over multiple railroad tracks in Shreveport, LA. The bridge is near the I-49 / I-20 interchange and is composed of steel girders,			

	steel bent caps, and steel column assemblies. Because existing plans were not available, 3-D laser scanning was utilized to capture complex geometry and member sizes that were then utilized in the load rating and in the development of load rating plans. The inspection also included the use of an ultrasonic thickness gage to verify member thickness, as well as detailed measurements to determine section loss at the steel column bases. (04/19 – 05/22) Task Order 5 – Project Manager for the instrumentation and load testing of several slab span bridges and metal culverts with our subconsultant, BDI. These structures were load tested after the original load ratings resulted in a load posting (or in some cases a closure) using conventional load rating procedures. Based on the results of the load testing, the load posting requirement was removed on all bridges and significantly increased or removed on all culverts. The results of the load testing were subsequently used to load rate and remove the posting requirements on several additional similar bridges. (10/21 – 05/22)
02/22 - Ongoing	ASCENSION PARISH LOAD RATINGS OF PARISH OWNED BRIDGES Ascension Parish, LA Project Manager and Certified Bridge Inspector for a General Services Agreement to provide load ratings of Parish owned bridges on an as-needed basis. Approximately fifteen (15) Task Orders have been to inspect, perform a condition assessment, and provide a load rating report in accordance with DOTD requirements for off-system bridges. Other Task Orders have been to inspect, determine rehabilitation details, and, when requested, develop construction plans for the rehabilitation of bridges with Critical Findings based on bi-annual inspections by DOTD
02/22 - 12/23	LIVINGSTON PARISH CONTRACT FOR BRIDGE ENGINEERING SERVICES Livingston Parish, LA Project Manager and Certified Bridge Inspector for a General Services Agreement to provide bridge engineering services for the Parish off-system bridge inventory. Task Orders 1, 2, and 3 are for the inspection, condition assessment, load rating, and submittal of a Bridge Evaluation Report for several single-span timber bridges. Task Order 4 is to provide consultation related to the selection of bridges to be replaced under the IIJA off-system bridge replacement program. Task Order 5 is for the load rating of several bridges that require a re-rating following a Condition Rating drop or additional deterioration since the last inspection. Task Order 6 is for the inspection and development of repair details for a slab span bridge to address decay of the timber bent caps and piles.
10/20 – 02/21	I-10 PERMIT VEHICLE LOAD RATING Orleans Parish, LA Project Manager. Project Manager for a Permit Load Rating of multiple existing bridges on I-10 near Lake Pontchartrain constructed of steel girder spans and concrete pile bents. Worked with the Contractor to develop requirements to allow for the crossing of cranes used during the construction of replacement bridges.
05/20 - 07/20	ST. JAMES PARISH OFF-SYSTEM BRIDGE LOAD RATING St. James Parish, LA Bridge Inspector. Inspection and load rating of a slab span bridge to comply with FHWA Metric 13, which requires a load rating of all Off-System bridges.
06/16 - 04/20	ST. TAMMANY PARISH OFF-SYSTEM BRIDGE LOAD RATINGS St. Tammany Parish, LA Project Manager. Project Manager to collect all available bridge files from all available resources, including LADOTD and Parish records, for numerous slab span, girder, and railcar bridges in St. Tammany Parish and perform inspections and load ratings for the bridges.
11/16 - 10/20	LIVINGSTON PARISH OFF-SYSTEM BRIDGE LOAD RATINGS Livingston Parish, LA Project Engineer and Certified Bridge Inspector. Inspection and load rating of numerous existing slab span bridges and culverts so that Livingston Parish would follow FHWA Metric 13, which requires all Off-System bridges to be load rated.
2015 – 2020	LIVINGSTON PARISH METRIC 13 COMPLIANCE Livingston Parish, LA Project Engineer and Certified Bridge Inspector. Inspection and load rating of numerous existing slab span bridges and steel pipe culverts so that Livingston Parish would follow FHWA Metric 13, which requires all Off-System bridges to be load rated.
05/16 – 10/19	LADOTD RETAINER CONTRACT FOR COMPLEX BRIDGE LOAD RATING Statewide, LA Project Manager. Project Manager to perform a load rating for the US 90 West Middle River Bridge near the Louisiana/Mississippi border. This bridge was constructed in 1933 and includes reinforced concrete approach spans, as well as Warren pony through-truss spans. A detailed inspection was also performed.
04/18 - 09/18	TANGIPAHOA PARISH OFF-SYSTEM BRIDGE LOAD RATINGS Tangipahoa Parish, LA Project Engineer and Certified Bridge Inspector. Inspection and load rating of 2 railroad flatcar bridges and a slab span bridge to comply with FHWA Metric 13, which requires a load rating of all Off-System bridges.
2015 – 2017	IBERVILLE PARISH METRIC 13 COMPLIANCE Iberville Parish, LA Project Engineer and Certified Bridge Inspector. Inspection and load rating of 3 existing slab span bridges so that Iberville Parish would follow FHWA Metric 13, which requires all Off-System bridges to be load rated.
03/14 – 03/17	LOAD RATING OF ON-SYSTEM BRIDGES LADOTD Statewide, LA Load Rating Engineer. Load Rating Engineer for over 200 slab span and girder bridges across Louisiana. Utilized Virtis (BrR) load rating software.

FIRM EMPLOYED BY		Forte and Tablada, Inc.		
NAME	Russell "Joey" Coco, PE, MBA	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	19	
TITLE	President/CEO	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	5	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2000 Civil Engineering; MBA 2006 Business Administration; Coastal Engineering Certificate 2008 Coastal Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE 31337 LA 09/30/2026		
YEAR REGISTERED	2004	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Joey has a vast range of experience in civil and structural engineering, as well as private sector engineering project management. and has spent much of his career managing, designing, and promoting transportation projects. He has experience in road, bridge, and survey projects for the LA DOTD and numerous parish governments in Louisiana. He has designed numerous bridges featuring precast-prestressed girders, rolled girders and plate girders, curved plate girders, bents, and deep foundations as well as noise barriers and other specialty transportation structures. Joey has performed numerous inspections of in-service bridges and is experienced in Virtis Bridge Rating Software and LRFR procedures using the MBE. He was instrumental as a project manager assistant at the Louisiana Timed Managers Major Bridges group where he coordinated design efforts between LA DOTD and other consultants for the John James Audubon Bridge, the Huey P. Long Bridge, and the Florida Avenue Bridge. Joey will provide BRIDGE DESIGN services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/22 - Ongoing	RETAINER CONTRACT FOR BRIDGE LOAD RATING SERVICES LADOTD Statewide, LA Principal in Charge. Principal-in-Charge for Task Orders under a load rating retainer contract to perform a load rating for numerous bridges that have experienced a condition drop due to deterioration. The load ratings are being performed in accordance with LADOTD BDEM.96 – Publication of Load Rating, Posting and Strengthening Standard Operating Procedure (SOP). Task Order 1 is for the load rating of 95 on-system slab span bridges that have experienced a condition drop since the last load rating. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. (09/22 – 12/24) Task Order 6 is for the load rating of approximately 65 on-system girder bridges that have experienced a condition drop since the last load rating. Bridges vary from small bridges built using LADOTD Standard Plans to complex urban bridges several-thousand feet long. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. (06/23 – Ongoing) Task Order 10 is for the load rating of approximately 75 on-system bridges. Bridges include precast and CIP slab spans, CPM and box culverts, concrete and steel girder spans, and complex major river crossings. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. (04/25 – Ongoing)			
08/14 - Ongoing	I-49 CONNECTOR LADOTD Contract No. H.004273.5 Lafayette Parish, LA Principal in Charge. Providing topographic surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed laser scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.			
08/19 - 04/24	I-10/LOYOLA INTERCHANGE IMPROVEMENTS LADOTD Contract No. 011670 Kenner, LA Principal in Charge. Currently providing Topographic Survey, Right- of-Way Survey, Drainage Survey, and Right-of-Way Monument Mapping. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule.			
05/21 – 12/22	CALCASIEU RIVER BRIDGE (HBI) Contracts 4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931 Calcasieu Parish, LA Principal in Charge. Providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-10 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase..			
03/18 - 05/22	RETAINER CONTRACT FOR OFF-SYSTEM BRIDGE LOAD RATING LADOTD Statewide, LA QA/QC Review Engineer. Engineer for a retainer contract that includes multiple Task Orders to inspect and load rate off-system bridges and culverts across the state. Task Order 1 - Inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges; Task Order 2 - Inspection and load rating of approximately 200 off-system bridges, consisting primarily of slab spans; <u>Task Order 4</u> - Inspection and load rating of approximately 300 off-system bridges, consisting primarily of slab spans, but also including concrete and steel girder span.			

FIRM EMPLOYED BY		Forte and Tablada, Inc.			
NAME	Tyler Branch, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		15
TITLE	Group Leader – Transportation - Roadway		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		0
DEGREE(S) / YEARS / SPECIALIZATION		BS 2012 Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE 41576 LA 09/30/2027			
YEAR REGISTERED	2017	DISCIPLINE	Civil Engineering		
Contract role(s) / brief description of responsibilities	Tyler has over 15 years of experience in roadway and transportation engineering. He will serve as SENIOR ROADWAY AND TRAFFIC ENGINEER for this contract. Tyler meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 4				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
08/23 - Ongoing	GREENWELL SPGS. AT MORGAN ROAD INTERSECTION IMPROVEMENTS LADOTD H.015104 East Baton Rouge Parish, LA Project Manager. Leading the intersection improvement project in Central, LA. Design consists of a multilane roundabout with lane reductions along an existing 2-lane road to provide pavement for future roadway widening, drainage, and guardrail. All design elements are being designed to DOTD and federal standards utilizing the latest NCHRP Report.				
12/22 - Ongoing	LA 447: WIDENING FROM I-12 TO BUDDY ELLIS ROAD LADOTD H.005734 Livingston Parish, LA Project Manager. Plan development of ±1.2 mile, ±\$20 million project to widen LA 447 from a 2-lane roadway to a 4-lane boulevard, and includes relocations of two (2) side roads, Milton Ln. and Miller Rd., and two (2) multi-lane roundabouts – one at O’Donovan Blvd. and another at Buddy Ellis Rd. – in Walker, LA. All design elements will be designed to DOTD and federal standards.				
12/23 - Ongoing	JOOR RD. & SULLIVAN RD. ROUNDABOUT LADOTD H.015711 East Baton Rouge Parish, LA Project Manager. Leading this intersection improvement project in Central, LA. Design consists of a single lane roundabout including high-speed approaches along Joor Rd. and access management considerations. All design elements are being designed to DOTD and federal standards utilizing the latest NCHRP Report.				
09/23 - Ongoing	BASS PRO BOULEVARD IMPROVEMENTS LADOTD H.015661 Livingston Parish, LA Project Manager. Pavement preservation and access management project in Denham Springs, LA. The project includes a single lane roundabout at Sac Au Lait Lane, narrow median near S. Range Avenue, and pavement preservation. All design elements were designed to DOTD and federal standards utilizing the latest NCHRP Report.				
05/24 - Ongoing	C0234: N. COLUMBIA ST. ROUNDABOUTS St. Tammany Parish, LA Project Manager. Leading ±\$2.5 million intersections improvements project in Covington, LA. The design consists of a single lane roundabout at W. 30th Avenue, a mini roundabout at N. Jefferson Avenue, subsurface drainage, and pedestrian facility improvements. Roles includes overseeing all plan development, drainage and geometric design, and right-of-way acquisition.				
10/21 - 01/26	FLORIDA BOULEVARD CORRIDOR ENHANCEMENT LADOTD H.014675 East Baton Rouge Parish, LA Engineer of Record and Assistant Project Manager. ±\$46M Corridor Enhancement Project in Baton Rouge, LA, for the MOVEBR Program. Oversaw the design of pedestrian and bicycle facilities along both sides of the roadway from N. 22nd St. To Airline Hwy., including crosswalk upgrades at all signalized intersections, pavement preservation, and the design of subsurface drainage improvements from Acadian Thwy. to Foster Dr.				
03/25 - Ongoing	LA 30 (NICHOLSON DR.): BRIGHTSIDE LADOTD H.002825 Goumier, East Baton Rouge Parish, LA Project Manager. ±\$20M Corridor Improvement Project in Baton Rouge, LA, for the MOVEBR Program. Overseeing the design of the corridor widening from 2-lane roadway to 4-lane boulevard with pedestrian and bicycle facilities.				

01/15 - Ongoing	COOK ROAD IMPROVEMENTS LADOTD H.012308 Livingston Parish, LA Road Designer. ±1.802 miles, 4-lane boulevard road extension project in Livingston Parish, which includes new and extended 4-lane boulevard roadway with sidewalks, bridge over Grays Creek, RCB over Grays Creek Lateral, single lane roundabout at LA 16 (Pete's Highway). Construction estimated to be complete by July 2026.
01/14 - Ongoing	12-CS-HC-0043 OLD HAMMOND HIGHWAY, SEGMENT 1 East Baton Rouge Parish, LA Road Designer. Also performed the horizontal and vertical design for the proposed multilane roundabout and performed the hydrologic and hydraulic analysis for an existing timber bridge replacement as part of the Green Light Plan/MOVEBR in the City of Baton Rouge/East Baton Rouge Parish. Currently serving as the Project Manager for Phase C of the project (Blvd. De Province to S. Flannery), including widening the 2-lane roadway to a 4-lane boulevard with pedestrian and bike facilities, and the replacement of 2 bridge structures.
04/20 - 06/24	AMITE CHURCH ROAD IMPROVEMENTS LADOTD H.014358 Livingston Parish, LA Project Manager and Engineer of Record. Project included design of the ±0.83 mile road preservation project in Livingston Parish, LA. Oversaw the design of the alignments, profiles, geometrics, drainage, etc. The project scope included rehabilitating the pavement and improving roadside drainage. Served as the Project Engineer for CE&I Services utilizing the federal/DOTD process.
11/20 - 09/23	YELLOW JACKET BOULEVARD IMPROVEMENTS LADOTD H.014420 Livingston Parish, LA Project Manager and Engineer of Record. Design of ±0.31 mile road preservation project in Denham Springs, LA. Oversaw the design of the alignments, profiles, geometrics, drainage, etc. The project scope included mill and overlay and pedestrian facilities upgrades. Served as the Project Engineer for CE&I Services utilizing the federal / DOTD process.
01/19 - 12/19	BTR AIRPARK BOULEVARD EXTENSION East Baton Rouge Parish, LA Lead Designer and Project Engineer. \$2M± road extension project in East Baton Rouge Parish. Designed the alignments, profiles, geometrics, grading, drainage etc., and served as the project engineer during the construction phase of the project attending meetings, reviewing and recommending acceptance of pay applications, finding solutions to problems that arose in the field and coordinating dedication of right-of-way.
01/16 - 12/16	GEORGE MASHON ROAD AND TRAVIS STREET BRIDGE REPLACEMENTS LADOTD H.011528 Livingston Parish, LA Road Designer. Also performed the hydrologic and hydraulic analysis for existing timber bridge replacements in Livingston Parish.
2014	US 11 (SPARTAN DRIVE TO LA 433) ROAD DIET St. Tammany Parish, LA Road Designer. Provided the horizontal geometric design of the proposed alternatives of US 11, including several roundabouts, in St. Tammany Parish.

FIRM EMPLOYED BY		Forte and Tablada, Inc.			
NAME	Bradley S. Holleman, PLS, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		5
TITLE	Senior Vice President, Survey/AMM		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		15
DEGREE(S) / YEARS / SPECIALIZATION		BS 2009 Civil Engineering (Minor in Land Surveying)			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PLS 5082 LA 09/30/2026; PE 47165 LA 03/31/2027			
YEAR REGISTERED	PE 2022 PLS 2012	DISCIPLINE	Civil Engineering Land Surveying		
Contract role(s) / brief description of responsibilities	Bradley will serve as the SURVEY PRINCIPAL IN CHARGE for this contract and in that role, he will coordinate with the Survey Task Managers to assure task orders are estimated, started, and completed to meet scheduled deadlines, while also satisfying LADOTD deliverable standards and Forte and Tablada's quality standard. Bradley has 14 years of experience of managing field crews and office work on on-system LADOTD Topographic Surveys, Boundary Surveys and Right of Way Mapping with 9 years being the Supervising Professional and 3 years as Principal. He has managed over 130 task orders under 10 separate Topographic and Right of Way Mapping IDIQ Contracts with LADOTD. Bradley meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 10				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
08/23 – Ongoing	INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA) OFF-SYSTEM BRIDGE PROGRAM (13 BRIDGE SITES) LADOTD CONTRACT 4400025029 - H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553 East Baton Rouge Parish, LA Principal in Charge. Principal in Charge for topographic surveying and right-of-way mapping services for 13 bridge sites on 2 lane roadways.				
12/21 – Ongoing	IDIQ CONTRACT FOR PROFESSIONAL SURVEYING SERVICES LADOTD Contract No. 4400021974 Statewide, LA Principal in Charge. Responsible for performing Topographic Surveys for LADOTD. To date, this IDIQ contract has included a total of 9 separate Task Orders for 7 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.				
09/21 – Ongoing	IDIQ CONTRACT FOR PROFESSIONAL SURVEYING SERVICES LADOTD Contract No. 4400021532 Statewide with Majority of Work in Districts 03 and 07 Principal in Charge. Responsible for property surveys, establishing existing right-of-way, right-of-way maps and title take-offs for LA DOTD.				
06/21 – Ongoing	RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II, 5 STATE PROJECT NUMBERS (20 BRIDGE SITES) Contracts 4400019336 - H.014219, H.014222, H.014228, H.014231 and H.014236 Districts 04 and 05, LA Principal in Charge. Responsible for topographic surveying and right-of-way mapping services for 20 bridge sites on 2 lane rural roadways.				
01/21- Ongoing	I-49 CONNECTOR LADOTD Contact No. H.004273.5 Lafayette Parish, LA Principal in Charge. Responsible for providing topographic and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.				
08/19 – 04/24	I-10/LOYOLA INTERCHANGE IMPROVEMENTS LADOTD Contract No. H.011670 Kenner, LA Surveyor-in-Charge/Principal-in-Charge. Provided Topographic Survey, Right- of-Way Survey, Drainage Survey, and Right-of-Way Monument Mapping. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. Mr. Holleman originally managed SJB Group's portion of the Survey and is now serving as Principal-in-Charge for any ongoing or new work Forte and Tablada is tasked with.				
03/24 - 04/24	LA HWY 47 OVER BAYOU BIENVENUE- EMERGENCY BRIDGE REPLACEMENT LADOTD Contract No. H.015935 St. Bernard/Orleans Parish, LA Principal-in-Charge. Provided topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.				

01/21 – 12/22	CALCASIEU RIVER BRIDGE (HBI) LADOTD Contracts 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974 - Task Orders 1, 3, and 4-H.003931 Calcasieu Parish, LA Principal-in-Charge. Provided topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-10 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
01/21 – 06/22	PROFESSIONAL SURVEYING SERVICES RETAINER CONTRACT LADOTD No. 4400010587 for Statewide with Majority of Work in Districts 02, 03, 07, 61 and 62, LA Principal-in-Charge. Provided Topographic Surveys for LA DOTD. This Retainer contract included a total of 18 separate Task Orders for 11 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
01/21 – 03/22	RURAL BRIDGE REPLACEMENT INITIATIVE PHASE I LADOTD Contract 4400017598 - H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990; 7 State Project Numbers (22 Bridge Sites) Districts 04, 05, 08 and 58, LA Principal-in-Charge. Provided topographic surveying and right-of-way mapping services for 22 bridge sites on 2 lane rural roadways.
11/19 – 12/20	CALCASIEU RIVER BRIDGE INVESTIGATION LADOTD Contract H.012083 Calcasieu Parish, LA Surveyor. Provided Mobile LiDAR scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure.
01/18 – 04/20	I-10: LA 415 TO ESSEN LANE LADOTD Contract H.004100 East Baton Rouge Parish, LA Surveyor-in-Charge. Provided topographic survey and 3D Mobile laser scanning. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish. This Survey was part of a larger project that extended West to LA 415 and included a team of 4 Survey firms to complete the work on schedule.
04/17 – 10/19	LA 339 AND LA 339 S BAYOU PARC, SOUTH LOUISIANA SURVEY RETAINER LADOTD Contract H.002151 Surveyor-in-Charge. Led the property survey and right of way map. This project was for the construction of a bridge replacement and improvements along LA 339. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
05/18 – 04/19	I-10: PARIS ROAD LAKE PONTCHARTRAIN LADOTD Contract H.012591 New Orleans, LA Surveyor-in-Charge. Led the topographic survey, 3D Mobile laser scanning and existing drainage map. This project was for the design of Interstate 10 improvements of an 8 mile stretch in New Orleans East.
06/16 – 02/17	CHEF MENTEUR PASS BRIDGE LADOTD Contract H.000263 Surveyor-in-Charge. Led the topographic survey, 3D laser scanning and existing drainage map. This project was for the design of new bridge to replace the existing swing bridge on US 90 over Chef Menteur Pass. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual.
12/14 – 03/16	I-12 (LA 21 TO LA 59) LADOTD Contract H.011137 & H.011152 St. Tammany Parish, LA Surveyor-in-Charge. Led the topographic survey, 3D laser scanning and existing drainage map. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish.
04/12 – 09/12	LA 3188 DRAINAGE IMPROVEMENTS LADOTD Contract H.009391 LaPlace, LA Surveyor-in-Charge. Led the topographic survey and existing drainage map. This project was for drainage improvements to resolve localized roadway flooding along La 3188. This project demonstrates Mr. Holleman's ability to fulfill the minimum personnel requirement of having over five (5) years of experience in conducting topographic surveys.

FIRM EMPLOYED BY		Forte and Tablada, Inc.			
NAME	Ross Wilson, PLS		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		14
TITLE	Senior Professional Land Surveyor		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		2
DEGREE(S) / YEARS / SPECIALIZATION		BS 2010 Geomatics			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PLS 5148 LA 03/31/2028 Also Registered PLS in TX, MS, AR, FL, KY, TN, GA Certified Federal Surveyor (CFedS 1897)			
YEAR REGISTERED	2015	DISCIPLINE	Land Surveying		
Contract role(s) / brief description of responsibilities	Ross will serve as TOPOGRAPHIC SURVEY MANAGER during this contract, and in that role, he will supervise all field and office work performed on task orders. He will also lead the effort on estimating task orders and producing project deliverables. Ross will be responsible for all QA/QC efforts from beginning to end of each task order, including the final project deliverables. He has 13 years of experience of managing field crews and office work for on-system LADOTD Topographic Surveys, with over 9 years being the Professional Surveyor in Charge on these projects. Ross has managed over 40 task orders under 5 separate Topographic and Right-of-Way IDIQ Contracts with LADOTD, as well as over 90 Bridge Surveys throughout Louisiana. Ross meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement: 10				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
08/23 – Ongoing	INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA) OFF-SYSTEM BRIDGE PROGRAM - 10 STATE PROJECT NUMBERS (13 BRIDGE SITES) LADOTD Contract 4400025029- H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553 East Baton Rouge Parish, LA Surveyor in Charge. Surveyor-in-Charge for topographic surveying and right-of-way mapping services for 13 bridge sites on 2 lane roadways.				
12/21 – Ongoing	IDIQ CONTRACT FOR PROFESSIONAL SURVEYING SERVICES LADOTD Contract 4400021974 Statewide, LA Surveyor in Charge. Surveyor-in-Charge performing Topographic Surveys for LA DOTD. To date, this IDIQ contract has included a total of 9 separate Task Orders for 7 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.				
06/21 – Ongoing	RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II; 5 STATE PROJECT NUMBERS (20 BRIDGE SITES) LADOTD Contract 4400019336- H.014219, H.014222, H.014228, H.014231 and H.014236 Districts 04 and 05, LA Surveyor in Charge. Surveyor-in-Charge for topographic surveying and right-of- way mapping services for 20 bridge sites on 2 lane rural roadways.				
08/19 – 04/24	I-10/LOYOLA INTERCHANGE IMPROVEMENTS LADOTD Contract H.011670 Kenner, LA Surveyor in Charge. Surveyor-in-Charge providing Topographic Survey, Right- of-Way Survey, Drainage Survey, and Right-of-Way Monument Mapping. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. Of ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule.				
08/15 – Ongoing	I-49 CONNECTOR LADOTD Contract H.004273.5 Lafayette Parish, LA Survey Manager/Surveyor in Charge. Survey Manager/Surveyor-in-Charge responsible for providing topographic, terrestrial LiDAR scanning, hydrographic, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.				
03/24-04/24	LA HWY 47 OVER BAYOU BIENVENUE- EMERGENCY BRIDGE REPLACEMENT LADOTD Contract H.015935 St. Bernard/Orleans Parish, LA Surveyor in Charge. Surveyor-in-Charge to provide topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.				

05/21 – 12/22	CALCASIEU RIVER BRIDGE (HBI) LADOTD Contract 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931 Calcasieu Parish, LA Surveyor in Charge. Surveyor-in-Charge for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-10 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
06/17 – 06/22	RETAINER CONTRACT NO. 4400010587 FOR PROFESSIONAL SURVEYING SERVICES LADOTD Contract Statewide with Majority of Work in Districts 02, 03, 07, 61 and 62, LA Surveyor in Charge. Surveyor-in-Charge performing Topographic Surveys for LA DOTD. This contract showcases Mr. Wilson's familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. This Retainer contract included a total of 18 separate Task Orders for 11 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
06/20 – 03/22	RURAL BRIDGE REPLACEMENT INITIATIVE PHASE I; 7 STATE PROJECT NUMBERS (22 BRIDGE SITES) LADOTD Contract 4400017598 - H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990 Districts 04, 05, 08 and 58, LA Surveyor in Charge. Surveyor-in-Charge for topographic surveying and right-of-way mapping services for 22 bridge sites on 2 lane rural roadways.
01/20 – 10/20	I-10: ATCH BASIN BR-W. BATON ROUGE P/L, I-10: IBERVILLE P/L-W END MISS BR, I-10: W END OF BR 290-W END OF LA 415 LADOTD Contract 4400010587- Task Orders 6, 7, and 8- H.012588, H.012169, H.012587 West Baton Rouge & Iberville Parishes, LA Surveyor in Charge. Surveyor-in- Charge for complete topographic survey and Mobile LiDAR of approximately 18.3 miles along I-10, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
01/18 – 06/19	I-10: LA 415 TO ESSEN LANE TO I-10 AND I-12 LADOTD Contract 4400012323 - H.004100 East and West Baton Rouge Parishes, LA Survey Manager. Survey Manager for topographic survey, and terrestrial LiDAR survey of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize up to 5 Survey Crews to meet phased deadlines.
10/18 – 02/19	SUNSHINE BRIDGE REPAIR LADOTD Contract 4400010587 - Task Orders 2, 3, 4, 5, and 10- H.012343 St. James Parish, LA Surveyor in Charge. Surveyor-in- Charge responsible for establishing survey control on and near the Sunshine Bridge to use conventional and terrestrial LiDAR scanning methods to monitor the damage on the bridge. This project showcases Mr. Wilson's capability of managing emergency task orders.
05/17-10/18	BELLE CHASSE BRIDGE AND TUNNEL (HBI) LADOTD Contract 4400009387- Task Orders 2 and 5- H.004791.5 Plaquemines Parish, LA Surveyor in Charge. Surveyor-in-Charge for comprehensive topographic surveying and drainage mapping for the Belle Chase Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway, bridge and tunnel features, and multi-beam hydrographic surveying of the Algiers Canal and exterior features of the existing tunnel.
03/13-07/15	ALMONASTER AVENUE LIFT BRIDGE LADOTD Contract H.004698 Orleans Parish, LA Survey Manager. Survey Manager responsible for performing topographic and property surveys, developing a drainage map, establishing existing right-of-way for the north line of I- 10, Almonaster Avenue, and CSX Railroad property, and terrestrial LiDAR scanning all bridge features. This project demonstrates Mr. Wilson's ability to fulfill the minimum personnel requirement of having over five (5) years of experience in conducting topographic surveys.

FIRM EMPLOYED BY		Forte and Tablada, Inc.		
NAME	Rachel Waldroup, PLS	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	10	
TITLE	Professional Land Surveyor	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2020 Environmental Science; AAS 2015 Civil Surveying and Mapping Technology		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PLS 5277 LA 09/30/2026		
YEAR REGISTERED	2022	DISCIPLINE	Land Surveying	
Contract role(s) / brief description of responsibilities	Rachel will serve as RIGHT-OF-WAY TASK LEAD . In this role she will supervise all field and office work performed on task orders with additional required right-of-way. She will also lead the effort of estimating Right-of-Way tasks and producing project deliverables. Rachel has over 6 years of experience working on on-system LADOTD Topographic and Right-of-Way Surveys, with 3 years being a Professional Surveyor on these projects. She has worked on over 30 on-system LADOTD Surveys, including both Topographic and Right-of-Way work.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/24 - Ongoing	IDIQ PROFESSIONAL SURVEYING SERVICES LADOTD 4400027919 Statewide with Majority of Work in Districts 02, 61, and 62, LA Surveyor. Surveyor performing property surveys, establishing existing right-of-way, right-of-way maps and title take-offs for LA DOTD. Under this contract, a total of 5 task orders have been executed. This contract showcases Ms. Waldroup's familiarity with the process of managing an LADOTD Survey IDIQ Task Order from beginning to end.			
08/23 - Ongoing	INFRASTRUCTURE INVESTMENT AND JOBS ACT (IIJA) OFF-SYSTEM BRIDGE PROGRAM- 10 STATE PROJECT NUMBERS (13 BRIDGE SITES) LADOTD 4400025029, H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553 District 61, LA Surveyor. Surveyor for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping. The condensed timeline of the projects required that multiple crews be mobilized weekly to stay on schedule.			
09/21 - Ongoing	IDIQ FOR PROFESSIONAL SURVEYING SERVICES LADOTD Contract No. 4400021532 Statewide with Majority of Work in Districts 03 and 07, LA Surveyor. Surveyor performing property surveys, establishing existing right-of-way, right-of-way maps and title take-offs for LA DOTD. Under this contract, a total of 23 task orders have been executed. This contract showcases Ms. Waldroup's familiarity with the process of managing an LADOTD Survey IDIQ Task Order from beginning to end.			
06/21 - Ongoing	RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II; 5 STATE PROJECT NUMBERS (20 BRIDGE SITES) LADOTD 4400019336, H.014219, H.014222, H.014228, H.014231 and H.014236 Districts 04 and 05M LA Survey CAD Technician. Survey CAD Technician and Surveyor for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping.			
03/21 - Ongoing	MOVEBR (20-EN-HC-0003) FLORIDA BLVD. CORRIDOR ENHANCEMENT East Baton Rouge Parish, LA Survey CAD Technician/Survey Manager. Responsible for providing topographic surveying, drainage mapping, and Right-of-way services. This project is in a dense urban area and is approximately 4 miles long. Forte and Tablada completed mobile LiDAR services for much of the congested corridor as a means of obtaining topographic data without endangering surveyors.			
08/19 - 04/24	LOYOLA INTERCHANGE IMPROVEMENTS H.011670- I-10 Kenner, LA Survey CAD Technician. Survey CAD Technician providing Topographic Survey, Right- of-Way Survey, and Drainage Survey. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule.			
08/15 - Ongoing	I-49 CONNECTOR LA DOTD H.004273.5 Lafayette Parish, LA Survey CAD Technician/Survey Intern/Surveyor. Responsible for providing topographic, terrestrial LiDAR scanning, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.			

FIRM EMPLOYED BY		Forte and Tablada, Inc.		
NAME	Blake Bonnette	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	9.5	
TITLE	Task Lead – Aerial/Mobile LiDAR	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	1.5	
DEGREE(S) / YEARS / SPECIALIZATION		AS Drafting and Design Technology 2015		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		FAA Certified Remote Pilot 4077681		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Blake has 11 years of experience capturing, processing, and managing LiDAR projects. Projects have included Terrestrial, Mobile and Aerial LiDAR. Blake will provide ADVANCED MEASUREMENT PROJECT SERVICES during this contract,			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/16 – Ongoing	I-49 CONNECTOR LADOTD H.004273.5 Lafayette Parish, LA LiDAR Project Lead. Responsible for providing topographic, terrestrial LiDAR scanning, hydrographic, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.			
01/26 – 02/26	AMITE RIVER SEDIMENT REMOVAL Advanced Measurements Group Leader. This project consisted of 34 miles of Multibeam Hydrographic Surveys for the Amite River from Port Vincent to Lake Maurepas. This survey was performed for the purpose of sediment stacking analysis and locating potential dredge sites.			
11/25 – 12/25	ANACOCO, VERNON, & BUNDICK LWI DAM SURVEYS LADOTD H.015040, H.015041, & H.015044 Advanced Measurements Project Lead. Aerial lidar of the Dam and Spillway. Topographic survey of spillway outflow and creek. Terrestrial laser scans of the Open Channel Spillway, Channel guide walls, basin Baffles. A Multibeam Bathymetric Survey was performed at the upstream area around the spillway, around the Surrounding Dam embankment and 50' beyond the Toe for the length of the Dam embankment.			
10/25	CYPRESS COVE MARINA Venice, LA Advanced Measurements Group Lead. This project consisted of a Multibeam Hydrographic Survey of the marina and the adjacent portion of Tiger Pass and the inlet.			
06/24 – 09/24	AMITE RIVER BASIN COMMISSION MASTER PLAN Advanced Measurements Project Lead. This project consisted of strategic Singlebeam Hydrographic Cross sections over 115 miles of the Amite River and Multibeam Hydrographic survey of the Amite River Weir for the Master Hydraulic model of the River Basin. Tasks also included the compiling of historic surveys dating back to 1980 for analysis.			
04/24 – 07/24	RED RIVER ALPINE SILICA River Ridge Ranch, Arkansas Advanced Measurements Project Lead. This project consisted of 3.5 miles of River Transects performed by Singlebeam Hydrographic survey methods and 550 acres of aerial lidar for Overbanks.			
06/24	THE PORT OF LAKE CHARLES INDUSTRIAL CANAL DISPOSAL AREA 12A Advanced Measurements Project Lead. This project consisted of 175 Acres of aerial lidar and Photogrammetry survey for the 12A dredge disposal area. A Multibeam Hydrographic survey was performed for the proposed dredge suction/discharge hose route through the Industrial Canal for 1.5 miles. A Singlebeam Hydrographic survey was performed along 2.5 miles of Devils Elbow and The Calcasieu Ship Channel at the perimeter of the 12A disposal area, for the Lake Charles Harbor & Terminal District.			
03/24	LA HWY 47 OVER BAYOU BIENVENUE - EMERGENCY BRIDGE REPLACEMENT LADOTD H.015935 St. Bernard/Orleans Parish, LA LiDAR Project Lead. Provided topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.			
05/21 – 12/22	CALCASIEU RIVER BRIDGE (HBI); Contract 4400010587, TO #18; 4400015237, TO #1; 4400021974, TO #1, 3, and 4 LADOTD H.003931 Calcasieu Parish, LA Mobile LiDAR Project Lead. Responsible for Mobile LiDAR acquisition and Mobile LiDAR extraction efforts. Project is in a high-traffic industrial area along I-10 and is approximately 7 miles long. Forte and Tablada completed Mobile LiDAR scanning services for much of the corridor as a means of obtaining topographic data without endangering surveyors. The Survey also included Multibeam Hydrographic survey of Lake Charles, and Terrestrial LiDAR scanning of bridge substructures.			

FIRM EMPLOYED BY		Forte and Tablada, Inc.		
NAME	Trenton Iglehart	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	2.5	
TITLE	Senior CADD Technician	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	27	
DEGREE(S) / YEARS / SPECIALIZATION		N/A		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Trenton will serve as HYDROGRAPHIC TASK MANAGER during this contract, and in that role, he will manage all hydrographic field and office work performed on task orders. He will also lead the effort on estimating Hydrographic work for task orders and producing completed Hydrographic in LADOTD format, so that it can be seamlessly integrated into the Topographic files. Trenton will be responsible for all QA/QC efforts throughout the process of each Hydrographic task, leading to the final review by the Surveyor. He has 12 years of experience on on-system LADOTD Topographic and Right of Way Surveys, and 27 years of Hydrographic Survey experience. He has performed CADD and management tasks on over 224 task orders under 22 separate Topographic & Right of Way IDIQ Contracts with LADOTD which included 106 Bridge Surveys.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/25 - 03/25	MYRTLE GROVE QA INVESTIGATION AND POST DREDGE SURVEYS Plaquemines Parish, LA Hydrographic Task Manager. Hydrographic Task Manager for project consisting of a Singlebeam Hydrographic investigative QA survey of 5 miles of canals and a full post dredge survey of 250 cross sections over 5 miles of canals in Plaquemines Parish for Plaquemines Parish Government.			
10/24	UNDERWATER BRIDGE INSPECTIONS LADOTD 4400019121- H.009730 Wax Lake Outlet US190 Bridge Hydrographic Task Manager. Hydrographic Task Manager for project consisting of a Multibeam Hydrographic survey for Underwater Bridge Inspection.			
09/24 - 03/25	AMITE RIVER SEDIMENT REMOVAL Hydrographic Task Manager. Hydrographic Task Manager for this project consisting of 34 miles of Multibeam Hydrographic Surveys for the Amite River from Port Vincent to Lake Maurepas. This survey was performed for the purpose of sediment stacking analysis and locating potential dredge sites.			
11/24 - 04/25	CPRA MID BARATARIA ACCESS DREDGE ROUTE Hydrographic Task Manager. Hydrographic Task Manager for this project consisting of 9 miles of Singlebeam Hydrographic Surveys for pre and post dredge QA for design compliance and volumetrics.			
06/24 - 09/24	AMITE RIVER BASIN COMMISSION MASTER PLAN Hydrographic and Topographic Task Manager. Hydrographic and Topographic Task Manager for this project consisting of strategic Singlebeam Hydrographic Cross sections over 115 miles of the Amite River and Multibeam Hydrographic survey of the Amite River Weir for the Master Hydraulic model of the River Basin. Tasks also included the compiling of historic surveys dating back to 1980 for analysis.			
03/24 - 04/24	LA HWY 47 OVER BAYOU BIENVENUE- EMERGENCY BRIDGE REPLACEMENT LADOTD H.015935 St. Bernard/Orleans Parish, LA Hydrographic Task Manager. Hydrographic Task Manager to provide topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.			
07/23 - 12/23	LA46 OVER BAYOU LA LOUTRE - RECALL NO.002650 (YSCLOSKEY BRIDGE INVESTIGATION SURVEY) St. Bernard Parish, LA Hydrographic Task Manager. Hydrographic Task Manager for field data collection and processing for all Hydrographic survey data. This project consisted of Topographic, Monitoring and Multibeam Hydrographic surveys for the purposes of engineering and inspection.			
07/23 - 09/23	THREE MILE LAKE FLOOD REDUCTION H.015047 Senior CAD Technician/Hydrographic Task Manager. Senior CAD Technician/Hydrographic Task Manager for field data collection and processing for all Hydrographic survey data. Field data processing and drafting for Topographic Surveys. This project consisted of Bathymetric cross sections, the survey of the weir and 3d terrestrial laser scans of 4 bridges surrounding 3 Mile Lake.			

FIRM EMPLOYED BY		ECM Consultants, LLC		
NAME	Emilio Rodriguez	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	12	
TITLE	Senior Bridge and Coating Inspector	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	20	
DEGREE(S) / YEARS / SPECIALIZATION		Technical Architecture (Construction) / 1989; Certified NACE Coating Inspector Level 2		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Emilio has over 32 years of experience as an inspector. He has provided inspections for roads and bridge construction and rehabilitation, coatings and painting, in- service bridge inspections, rock dikes construction, erosion protection, and coastal restoration projects. He has the following certifications: NACE certified Coating Inspector Level 2 #40575; ATSSA Work Zone Traffic Control Flagger, Supervisor; NHI in-service Bridge Inspection; Movable Bridge Inspection; DOT/FAA Drone Remote Pilot; OSHA-10. Emilio will provide BRIDGE INSPECTION services.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
05/21 - 06/22	LAPALCO BRIDGE OVER BAYOU SEGNETTE JPPW-2017-045-RBP Jefferson Parish, LA Bridge Inspection and Resident Inspection Services. \$4 million, rehabilitation of a 3,000 LF long, high rise steel girder spans and prestressed concrete girder span bridge that is supported by reinforced concrete pier/column systems resting on pile supported reinforced concrete footings. Work included structural inspections of girders, bents, risers, anchor bolts, bearing pads, deck, expansion joints, railings, curtain walls and approaches etc. He assisted ECM engineers in preparation of the report detailing all the deficiencies and damages including existing Lead Based Paint (LBP) system on steel girders. He provided resident inspection for repairs and/or replacement of all damaged bridge elements including bent anchor bolts, angle cleats, all deck expansion joint systems, replacing all bearing pads for the girders by lifting each span individually by jacking, and abatement of LBP and repaint all steel girder spans and remove and replace the bridge's concrete curtain wall.			
06/09 - 10/16	BAYOU LAFOURCHE BRIDGE AT LAROSE, (CE&I) LADOTD S.P. No. 064-05-0085 Lafourche Parish, LA Bridge Inspection. Project included construction engineering and inspection (CE&I) services for this \$32 million vertical lift bridge. This 122' x84' movable section is the largest span lift bridge in the state. Work involved marine pile driving, concrete piers, steel bridge, anchor bolts, bolted connections, approach roadways, etc. He inspected surface preparation and field painting/protective coating of main deck span, lift heads, and installation of various mechanical components.			
07/07 - 10/08	CRESCENT CITY CONNECTION DIVISION - ANNUAL BRIDGE INSPECTION LADOTD S.P. No. 700-99-0405 Orleans Parish, LA Bridge Inspection. Emilio performed bridge inspection in accordance with National Bridge Inspection Standards (NBIS). Bridge inspection work included inspection of the all-superstructure elements such as main steel trusses and connections, girders, columns, concrete deck, joints, pedestals, bearings including support bents, pads, anchor bolts, ramp structures, roadways and signage etc. Physical inspection also included in-depth paint/coating inspection by ECM's NACE certified inspectors. ECM inspectors used aerial boom and scissor lifts for inspections. The annual inspection reports for bridge and facility was prepared conforming to LADOTD requirements and included excel listing all deficiencies with remediation recommendations. ECM coordinated with the CCCD for traffic control plans and lane and shoulder closures during inspection periods			
05/21 - 10/24	BELLE CHASSE BRIDGE AND TUNNEL REPLACEMENT, A P3 DESIGN-BUILD PROJECT LADOTD Bridge Inspection. Emilio provided construction inspection services as one of the inspectors for this \$183 million new Mid-Level fixed span bridge that will span the Intracoastal Waterway on Louisiana Highway 23. This project will include the demolition of the existing Perez Movable Bridge and the Belle Chasse Tunnel. This work includes pile driving, installing steel girders, installing prestressed concrete girders, on grade roadway including earthwork, subbase and base, drainage, utilities relocation, PCC pavement, Asphaltic Concrete pavement, concrete barrier railing etc.			
05/18 - 07/19	I-10: HIGHLAND TO LA 73 DESIGN-BUILD PROJECT LADOTD East Baton Rouge/Ascension Parish, LA Bridge Inspection. Emilio served as one of the Construction Inspector for this \$77 million design-build project to widen I-10 from four to six lanes in both east and westbound directions, bridge modifications including replacing I-10 bridge over Highland Road, widening and rehabilitating I-10 bridge over Bayou Manchac, and rehabilitating LA 928 over I-10, and replacing I-10 over LA 73. Project includes two bridge construction including pile driving, installing prestressed concrete girders, bridge deck and rehab of two bridges over I-10, elevated roadway, on grade roadway including earthwork, subbase and base, drainage, utilities relocation, PCC pavement, concrete barrier railing, roadway lighting and striping.			

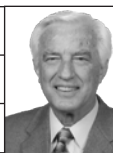
FIRM EMPLOYED BY		ECM Consultants, LLC			
NAME	David Waller		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		13
TITLE	DOTD Certified Inspector- Lead		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		15
DEGREE(S) / YEARS / SPECIALIZATION		Highschool			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A			
YEAR REGISTERED	N/A	DISCIPLINE	N/A		
Contract role(s) / brief description of responsibilities	David has 28 years of experience in performing construction inspection of roads and bridges, drainage and utilities construction projects involving monitoring and documenting all construction activities for conformance with plans and specifications and documenting daily activities in SiteManager database. He has the following certifications: Structural Concrete inspection; Asphalt Paving Inspection (course scheduled for 3/10/26 for renewal); PCC Paving Inspection; Embankment and Base Course Inspection; LPA/CE&I; ATSSA Work Zone Traffic Control Flagging, Technician & Supervisor; FWHA-NHI-130055 Safety Inspection of In-Services Bridges; OSHA-30; Certified Drone Pilot. David will provide CE&I services.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
07/22 - 06/24	SOUTH CHOCTAW DRIVE (FLANNERY TO CENTRAL THRUWAY) City of Baton Rouge, City-Parish Project No. 19-CP-HC-0038 Baton Rouge, LA Project Manager. David served as Project Manager for this project which involved construction and rehabilitation of roadway, sidewalks, drainage system, utilities, landscaping and street lighting. He was responsible for supervision of field inspectors assigned to this project, oversight of construction activities for compliance with contract plans, specifications and City -Parish/LADOTD Standards. He was responsible to monitor and track progress, keep track of eligible work quantities, review and maintain all documents including daily inspection reports, RFIs, COs, pay estimates etc. and safety compliance etc.				
06/18 - 09/20	I-10: HIGHLAND TO LA 73 DESIGN-BUILD PROJECT LADOTD S.P. No. 009250 East Baton Rouge/Ascension Parish, LA Lead Inspector. David served as Lead Inspector for this \$77 million design-build project to widen I-10 from four to six lanes in both east and westbound directions, add deceleration and acceleration lanes at the Highland Road and LA 73 interchanges, roadway lighting replacement, and bridge modifications including replacing I-10 bridge over Highland Road, widening and rehabilitating I-10 bridge over Bayou Manchac, increasing the vertical clearance and rehabilitating LA 928 over I-10, and replacing I-10 over LA 73.				
06/18 - 10/19	I-110 INTERCHANGE MODIFICATIONS AT TERRACE AVENUE LADOTD S.P. No. H.012420.6 Baton Rouge, LA Construction Inspector. David provided CE&I services for this \$8.80 million I-110 Terrace Ave Interchange project that provided connectivity from I-110 southbound to the existing I-10 eastbound at the Washington Street exit. The project consists of an exit ramp that was constructed on the left side of I-110 southbound allowing traffic to exit onto Terrace Ave. Nineteen (19) drill shafts were installed that included 6-24" shafts, 2-36" shafts, 2-48" shafts and 9-96" shafts ranging in length from 55' to 102'. Additionally, this project included a widening of the I-110 southbound roadway span, installation of new Hwy guide signage and camera equipment.				
05/19 - 12/22	PECUE LANE PHASE II LADOTD S.P. No. H.013579.6 East Baton Rouge Parish, LA Lead Inspector. David supervised the field inspection team assigned to this \$14.6 million project to build mechanically stabilized earth walls on either side of I-10, demolish the existing two-lane bridge over I-10, realign Pecue Lane, and build two multi-lane bridges over I-10 in East Baton Rouge Parish. This project is phase II of a multi-phase effort in East Baton Rouge Parish Government's Green Light Plan, a transportation improvement plan which built projects across the Parish and is unique in the fact that it will be part of the first diverging diamond interchange in the state of Louisiana. The project includes mechanically stabilized earth walls including earthwork, footing and backfill of reinforcement zone, constructing two bridges including pile driving, installing prestressed concrete girders, and bridge deck, elevated roadway, on grade roadway including earthwork, subbase and base, drainage, PCC pavement, concrete barrier railing, roadway lighting and striping.				
06/18 - 07/19	N. FLANNERY/FIREWOOD/CLOVERLAND BRIDGES LADOTD S.P. No. H.010661.6-2 East Baton Rouge Parish, LA Construction Inspector. David provided construction inspection services for the replacement of three bridges in East Baton Rouge Parish. He was responsible for monitoring, documenting and reporting construction activities for conformance with plans and specifications, keeping track of materials used, recording personnel and equipment on site, and filling out a daily report.				
02/14 - 09/16	RAFE MEYER BRIDGES LADOTD S.P. No. H. 0106059 Baker, LA Construction Inspector. David provided construction inspection for this project involving demolition and construction of two off-system bridges for LADOTD in East Baton Rouge Parish. This project includes precast concrete pile driving, cast-in-place concrete bents, decks, approach slabs and asphaltic concrete roadway transition. He provided inspection for asphalt paving as a LADOTD certified inspector in addition to other inspection services.				

FIRM EMPLOYED BY		ECM Consultants, LLC		
NAME	Zachary Collier, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	7	
TITLE	Senior Bridge and Coating Inspector	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	5	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2014 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE 42957 LA 03/31/2027		
YEAR REGISTERED	2018	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Zachary has 12 years of experience working on construction engineering and Inspection projects. He worked for LADOTD for 4 years including the District 61 Project Engineer's Office. His projects included bridge and roadway construction and rehabilitation, drainage repair and enhancements, utilities relocations, and pedestrian facility improvements. His duties and responsibilities included administering state construction contracts, plan review, staffing construction projects with certified inspectors, change order reviews and approvals. Zachary is an NHI Certified Bridge Inspector, ATSSA Work Zone Traffic Control Flagger, Technician, Supervisor, and completed LADOTD LPA/CE&I Training. Zachary will provide CE&I services.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
05/19 - 12/22	PECUE LANE/I-10 INTERCHANGE PHASE II: BRIDGES OVER I-10 LADOTD S.P. NO. H.013579 East Baton Rouge Parish, LA Project Engineer. This \$14.6 million overpass construction project includes two new multi-lane bridges over I-10 in Baton Rouge which form the center of one of the state's first diverging diamond interchanges. Zachary provided contract administration services that included project coordination, attending progress meetings, document management, data entry in SiteManager, managing RFIs and submittals, reviewing plan change requests, reviewing monthly pay estimates, preparing plan changes, and preparing and approving final materials audit.			
10/21 - Ongoing	BELLE CHASSE BRIDGE AND TUNNEL REPLACEMENT, P3, DESIGN-BUILD PROJECT LADOTD S.P. NO. H.004791 Plaquemines Parish, LA Construction Quality Control Engineer. This \$182 million, P3 design-build project constructs a new Mid-Level fixed span bridge that will span the Intracoastal Waterway on Louisiana Highway 23. The project includes the demolition of the existing Judge Perez Bridge and Tunnel. The new bridge is being constructed to current clearance standards for marine vessels as required by the US Coast Guard. This work includes pile load testing, pile driving, installing prestressed concrete girders, steel girders, concrete deck, subbase and base, drainage, utilities relocation, PCC pavement, Asphaltic Concrete pavement, concrete barrier railing, roadway lighting, MSE Wall construction and striping. ECM's Quality Control team of engineers and LADOTD certified inspectors are responsible for sampling and testing to ensure compliance with the project plans and specifications.			
07/19 - 10/22	SOUTHERN EROSION/ROAD IMPROVEMENTS LADOTD H.013114 East Baton Rouge, LA Project Engineer. Zachary served as the Project Engineer and provided contract administration services that included project and utility coordination, managing RFIs and submittals, reviewing plan change requests, managing inspection services, reviewing monthly pay estimates, preparing and approving final materials audit, and preparing final closeout. ECM provided construction engineering and inspection (CE&I) for this \$7.0 million project which consisted of the removal of an existing slab span bridge and replacement with pre-cast box culvert units as well as additional drainage improvements. The project also featured slope stabilization using a soil nail wall and road reconstruction due to damage from the 2016 flood that caused erosion in and around the Southern University Campus, including washouts that affected student access to dormitory areas. The work included major utility coordination and replacement of a bridge with 2-10'X10' reinforced concrete box culverts, jacking and boring of twin 60" reinforced concrete pipe, reconstruction of roadway including base asphalt pavement, and concrete curb and gutter in washed out areas. This work was completed as a part of the Federal Hazard Mitigation funding and was performed in accordance with LADOTD standards and specifications.			
11/24 - 05/26	BROAD STREET - READ BOULEVARD PEDESTRIAN IMPROVEMENTS LADOTD S.P. No. H.013094 Orleans Parish, LA Project Engineer. This \$5.7M project includes the installation of pedestrian signals, complete sidewalk and handicap ramp rehabilitation, and milling and overlaying the existing roadway. He provided CE&I services that include project coordination, managing inspection services, data entry in SiteManager, managing RFIs and submittals, reviewing monthly pay estimates, and keeping concise records of all documents in chronological order so that project closeout documentation is completed timely for final acceptance. He also coordinated with DOTD, Parish and utility entities.			
07/20 - 05/23	SEVERN AVENUE RECONSTRUCTION: VETERANS TO W. ESPLANADE LADOTD S.P. No. H.011752 Jefferson Parish, LA Project Engineer. This \$14.8 million complete street construction project includes PCC paving, major drainage improvements, ADA facilities, the addition of dedicated bike lanes, addition of turn lanes, traffic and pedestrian signals, street lighting and landscaping etc. He is providing CE&I services that includes project coordination, managing inspection services, data entry in SiteManager, manage RFIs and submittals, review monthly pay estimates, and keep concise record of all documents in chronological order so that project closeout documentation is completed timely for final acceptance. He also coordinated with DOTD, Parish and utility entities.			

FIRM EMPLOYED BY		GeoEngineers, Inc.	
NAME	Larry D. Sant, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	25
TITLE	Associate Geotechnical Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	3
DEGREE(S) / YEARS / SPECIALIZATION		MS 2001 Civil Engineering; BS 2001 Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 35625 LA 9/30/2026	
YEAR REGISTERED	2010	DISCIPLINE	Civil Engineering
Contract role(s) / brief description of responsibilities	Larry is a professional geotechnical engineer with more than 28 years of experience managing geotechnical engineering projects and has been GeoEngineers' project manager for most of their transportation projects in the last two decades working with agencies like the City-Parish, LA DOTD, and many other local entities. He has managed the geotechnical design tasks for 12 design-build/P3 projects either as Lead Geotechnical Engineer of Record or as the owner's representative. His experience includes project planning and technical direction during exploration, laboratory testing, engineering design analyses, report preparation and construction monitoring. Larry has been involved in hundreds of projects including roadways ranging from highways to private access drives, airports, bridges, dams, university and K-12 schools, wastewater treatment plants, drainage facilities, utility projects, and other structures ranging from private residences to large public and private facilities. Larry will serve as SENIOR GEOTECHNICAL ENGINEER for this contract. Larry meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 9		
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.		
04/24 - Ongoing	P3 I-10 CALCASIEU RIVER BRIDGE GEOTECHNICAL ENGINEERING SERVICES LADOTD Lake Charles, LA Lead Geotechnical Engineer. This historic public-private partnership (P3) redesigns and renovates a six-mile stretch of I-10 running through Lake Charles—including the Calcasieu River Bridge itself, which has been outdated for decades. The finished project aims to improve traffic capacity with three through lanes in each direction, and renovate interchanges, shoulders, and bridges through the I-10 corridor to meet modern engineering standards and transportation needs. GeoEngineers' scope includes several hundred borings including deep borings in the Calcasieu River, geotechnical design for bridge foundations, embankment slopes and retaining walls, lab testing, drilling, construction monitoring, and environmental support to deal with explorations within a known contamination plume.		
10/21 – 06/22	JIMMIE DAVIS BRIDGE PRELIM EXPLORATIONS LADOTD Caddo and Bossier Parishes, LA Lead Geotechnical Engineer. GeoEngineers completed the fast-tracked preliminary geotechnical exploration and testing including deep borings in the Red River for this high-profile design-build project that is in preparation for the replacement of the Jimmie Davis Bridge over the Red River, along LA 511 in Bossier City, Louisiana.		
1/19 – 11/24	I-10/LOYOLA INTERCHANGE DESIGN BUILD LADOTD Kenner, LA Lead Geotechnical Engineer. GeoEngineers completed the geotechnical exploration, testing, engineering, modeling driving in the wave equation analyses (WEAP) and conducting PDA (Pile Driving Analyzer)/CAPWAP (Case Pile Wave Analysis Program) testing monitoring/evaluations for this high-profile project in Kenner that will ultimately improve the Loyola Drive interchange to increase operational efficiency and traffic capacity.		
05/18 – 04/19	I-20/I-220 (BARKSDALE AFB) DESIGN BUILD, OV/QA LADOTD Bossier Parish, LA: Project Manager. Larry is the project manager for GeoEngineers' OV/QA role in this design-build project which involved interchange improvements (piles, shafts, embankments and PDA / CAPWAP) that will increase access to the Barksdale Air Force Base in Bossier Parish.		
08/17 – 11/20	I-10 WIDENING (HIGHLAND TO LA-73) DESIGN BUILD, OV/QA LADOTD Baton Rouge, LA Project Manager. Larry was the project manager for GeoEngineers' OV/QA role in this highly-anticipated I-10 project that involved PDA / CAPWAP monitoring / evaluations for widening a 6.5-mile segment of I-10 from four lanes to six lanes between Highland Road and LA-73.		



04/15 – 11/17	US-90/LA-318 INTERCHANGE DESIGN BUILD LADOTD St. Mary Parish, LA Project Manager. Larry was the project manager during this design-build project in support of the proposed Interchange on US90 at LA318. He lead the geotechnical design including drilling, log review, test assignments, pile design, settlement analysis, embankment monitoring, and embankment design. GeoEngineers also conducted extensive settlement modeling to demonstrate that the aggressive schedule for this project can be met along with modeling driving in the wave equation analyses (WEAP). During construction we conducted PDA (Pile Driving Analyzer)/CAPWAP (Case Pile Wave Analysis Program) testing to keep the schedule progressing.
02/13 – 04/13	I-49/US90 WIDENING OVER LA182 AND BNSF RAILROAD LADOTD Lafayette, LA Project Manager. A Louisiana DOTD widening project in preparation for upgrading US90 to I-49 from Albertson Road to Ambassador Caffery where Larry was the project manager in conducting bridge and roadway borings, and laboratory tests in support of design of this design build widening project located just south of Lafayette. GeoEngineers completed 119 borings for the project on a fast-track schedule utilizing multiple drill rigs to meet the deadline.
08/12 – 07/15	I-210 AT COVE LANE INTERCHANGE LADOTD Lake Charles, LA Project Manager. Larry was the project manager during this fast-track design and construction project in support of the proposed Interchange on I-210 at Cove Lane. GeoEngineers coordinated a field investigation including multiple simultaneous drilling and CPT rigs, with lane closures and traffic control and completed engineering analyses and provided recommendations for design and construction of about 8,000 driven pile foundations including modeling driving in the wave equation analyses (WEAP), MSE walls, and wick-drain/surcharge design to reduce post-construction embankment settlement, in accordance with AASHTO LRFD specifications for highway bridges. In addition, the GeoEngineers' team monitored MSE wall construction, provided PDA/CAPWAP evaluation of the piles during installation, and installed liquid settlement sensors to monitor embankment settlement.
01/10 – 12/12	I-12 WIDENING (AMITE RIVER TO JUBAN ROAD) DESIGN BUILD LADOTD Denham Springs, LA Project Manager. Larry was project manager during this design build project. GeoEngineers completed engineering analyses and provided recommendations for design and construction of driven pile foundations for four bridge structures in accordance with AASHTO LRFD specifications for highway bridges, which included PDA/CAPWAP monitoring/evaluations.
09/09 – 07/11	US90 AT LA85 INTERCHANGE DESIGN BUILD LADOTD Iberia Parish, LA Project Manager. Larry was the project manager during a design build project in support of the proposed Interchange on US90 at LA85. GeoEngineers' completed engineering analyses and provided recommendations for design and construction of driven pile foundations in accordance with AASHTO LRFD specifications for highway bridges and PDA/CAPWAP monitoring/evaluations. In addition, the GeoEngineers' team analyzed embankment settlement and provided design recommendations for wick drains and surcharge loading to reduce post construction settlement and prevent downdrag loads on the proposed adjacent bridge foundations.

FIRM EMPLOYED BY		GeoEngineers, Inc.			
NAME	James "Jim" Aronstein, Jr., PE, PLS		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		55
TITLE	Senior Geotechnical Engineer		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		5
DEGREE(S) / YEARS / SPECIALIZATION		BS 1965 Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 11794 LA 3/31/2027 / PLS No. 458 LA 3/31/2027			
YEAR REGISTERED	PE: 1969 PLS: 1970	DISCIPLINE	Civil Engineering		
Contract role(s) / brief description of responsibilities	Jim has provided geotechnical services on private, industrial, and public facilities since 1969, with extensive, significant expertise in the transportation industry. He has been the engineer of record for the majority of GeoEngineers' Louisiana road and bridge projects over the past 30 years, including LADOTD statewide retainer contracts for geotechnical investigations and project-specific programs. His projects include the I-210 at Cove Lane Interchange; I-49/US90 Widening over LA182 and BNSF Railroad Design-Build; 37-mile extension of I-49 North through Louisiana, I-220 to the Arkansas state line; Rigolets Pass Bridge project on US 90; numerous off-system bridge sites for LADOTD through local consultants; and work on the East Baton Rouge Parish Green Light roads and streets improvements plan. Jim's role has involved managing and executing engineering analyses and reports, field exploration, site access, drilling technology evaluation, exploration conduct, laboratory test assignments, and quality control of the generated work product. Jim will serve as SENIOR GEOTECHNICAL ENGINEER for this contract. Jim meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 9				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.				
10/21 – 06/22	JIMMIE DAVIS BRIDGE PRELIM EXPLORATIONS LADOTD Caddo and Bossier Parishes, LA Principal in Charge. GeoEngineers completed the fast-tracked preliminary geotechnical exploration and testing for this high-profile design-build project that is in preparation for the replacement of the Jimmie Davis Bridge over the Red River, along LA 511 in Bossier City, Louisiana.				
01/19 – 11/24	I-10/LOYOLA INTERCHANGE DESIGN BUILD LADOTD Kenner, LA Principal in Charge. GeoEngineers completed the geotechnical exploration, testing, engineering and modeling driving in the wave equation analyses (WEAP) and conducting PDA (Pile Driving Analyzer)/CAPWAP (Case Pile Wave Analysis Program) testing monitoring/evaluations for this high-profile project in Kenner that will ultimately improve the Loyola Drive interchange to increase operational efficiency and traffic capacity. Jim is serving as Principal-in-Charge.				
05/18 – 04/19	I-20/I-220 (BARKSDALE AFB) DESIGN BUILD, OV/QA LADOTD Bossier Parish, LA Principal in Charge. Jim is the Principal-in-Charge for GeoEngineers' OV/QA role in this design-build project which involves interchange improvements (piles, shafts, embankments and PDA / CAPWAP) that will increase access to the Barksdale Air Force Base in Bossier Parish.				
08/17 – 11/20	I-10 WIDENING (HIGHLAND TO LA-73) DESIGN BUILD, OV/QA LADOTD Baton Rouge, LA Principal in Charge. Jim is the Principal-in-Charge for GeoEngineers' OV/QA role in this highly-anticipated I-10 project that involved PDA / CAPWAP monitoring / evaluations for widening a 6.5-mile segment of I-10 from four lanes to six lanes between Highland Road and LA-73.				
04/15 – 11/17	US-90/LA-318 INTERCHANGE DESIGN BUILD LADOTD St. Mary Parish, LA Principal in Charge. Jim was the principal-in-charge during this design-build project in support of the proposed Interchange on US90 at LA318. GeoEngineers performed the geotechnical design including drilling, log review, test assignments, pile design, settlement analysis, embankment monitoring, and embankment design. We also conducted extensive settlement modeling to demonstrate that the aggressive schedule for this project can be met along with modeling driving in the wave equation analyses (WEAP). During construction we conducted PDA/CAPWAP testing to keep the schedule progressing embankment design. We also conducted extensive settlement modeling to demonstrate that the aggressive schedule for this project can be met along with modeling driving in the wave equation analyses (WEAP). During construction we conducted PDA/CAPWAP testing to keep the schedule progressing.				

02/13 – 04/13	I-49/US-90 WIDENING OVER LA182 AND BNSF RAILROAD LADOTD Lafayette, LA Principal in Charge. A Louisiana DOTD widening project in preparation for upgrading US90 to I-49 from Albertson Road to Ambassador Caffery where Jim was the principal-in-charge in conducting bridge and roadway borings, and laboratory tests in support of design of this bridge and roadway widening project located just south of Lafayette. GeoEngineers completed 119 borings for the project on a fast-track schedule utilizing multiple drill rigs to meet the deadline.
08/12 – 04/15	I-210 AT COVE LANE INTERCHANGE LADOTD Lake Charles, LA Principal in Charge. Jim was the principal-in-charge during this fast-track design and construction project in support of the proposed Interchange on I-210 at Cove Lane. GeoEngineers coordinated a field investigation including multiple simultaneous drilling and CPT rigs, with lane closures and traffic control and completed. Engineering analyses and provided recommendations for design and construction of about 8,000 driven pile foundations, MSE walls, and wick-drain/surcharge design to reduce post-construction embankment settlement, in accordance with AASHTO LRFD specifications for highway bridges. In addition, the GeoEngineers' team monitored MSE wall construction, provided PDA/CAPWAP evaluation of the piles during installation, and installed liquid settlement sensors to monitor embankment settlement.
01/10 – 12/12	I-12 WIDENING (AMITE RIVER TO JUBAN ROAD) DESIGN BUILD LADOTD Denham Springs, LA Principal in Charge. Jim was the principal-in charge during this design build project. GeoEngineers completed engineering analyses and provided recommendations for design and construction of driven pile foundations for four bridge structures in accordance with AASHTO LRFD specifications for highway bridges, which included PDA CAPWAP monitoring.
09/09 – 07/11	US-90 AT LA-85 INTERCHANGE DESIGN BUILD LADOTD Iberia Parish, LA Principal in Charge. Jim was the principal-in-charge during this design-build project in support of the proposed Interchange on US90 at LA85. GeoEngineers' completed engineering analyses and provided recommendations for design and construction of driven pile foundations in accordance with AASHTO LRFD specifications for highway bridges and PDA/CAPWAP monitoring. In addition, the GeoEngineers' team analyzed embankment settlement and provided design recommendations for wick drains and surcharge loading to reduce post construction settlement and prevent downdrag loads on the proposed adjacent bridge foundations.
04/07 – 04/09	I-49 NORTH LADOTD Caddo Parish, LA Project Manager. A Louisiana DOTD Priority 1 Mega Project where Jim led the GeoEngineers' team in conducting bridge and roadway borings and laboratory tests before bridges are constructed and pavement is laid on the 36-mile northward extension in Louisiana. GeoEngineers completed 166 borings for the project. At some sites, the team had to overcome the challenge of drilling exploratory borings at the same time LA DOTD cleared the area for construction, disturbing the site where samples are taken.

FIRM EMPLOYED BY		GeoEngineers, Inc.		
NAME	Brenda Novoa, PE, MSCE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	4	
TITLE	Senior Geotechnical Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	22	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2003 Civil Engineering; BS 1999 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 33665 LA 3/30/2028		
YEAR REGISTERED	2003	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Brenda is a geotechnical engineer with 26 years of experience in geotechnical field work and engineering in Louisiana and Puerto Rico. Her daily responsibilities include the management of projects from the proposal stage to the report distribution. Brenda is directly involved with the field exploration crews, constantly in direct contact with clients to gather project data and solve any challenging issues that arise in their projects, conducts onsite soil observations and analyzes field and lab data to develop engineering recommendations for commercial, industrial, municipal, state, and federal projects. Her geotechnical experience includes data evaluation and engineering analysis including slope stability analysis, shallow and deep foundation recommendations per LRFD design requirements for LA DOTD projects, and settlement analysis, among others. Brenda will serve as SENIOR GEOTECHNICAL ENGINEER for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
11/24 - 06/25	BONNE IDEE ROAD BRIDGE GEOTECHNICAL EXPLORATIONS & LAB LADOTD Bonita, LA Project Engineer. This project consisted of geotechnical field and laboratory testing services to determine the soil conditions at the bridge's site and the preparation of final boring logs in LADOTD format.			
11/24 - 05/25	SPRING BAYOU ROAD OVER SPRING BAYOU LADOTD Goudeau, LA Project Engineer. This project consisted of geotechnical field and laboratory testing services to determine the soil conditions at the bridge's site and the preparation of final boring logs in LADOTD format.			
04/24 - Ongoing	P3 I-10 CALCASIEU RIVER BRIDGE GEOTECHNICAL ENGINEERING SERVICES LADOTD Lake Charles, LA Senior Project Engineer. This historic public-private partnership (P3) will redesign and renovate a six-mile stretch of I-10 running through Lake Charles—including the Calcasieu River Bridge itself, which has been outdated for decades. The finished project aims to improve traffic capacity with three through lanes in each direction, and renovate interchanges, shoulders, and bridges through the I-10 corridor to meet modern engineering standards and transportation needs. GeoEngineers' scope includes geotechnical design for bridge foundations, embankment slopes and retaining walls, lab testing, drilling, construction monitoring, and environmental support to deal with explorations within a known contamination plume. Brenda is helping with the coordination of the field and laboratory testing activities and with the evaluation of the data obtained for the geotechnical designs.			
06/20 - 04/22	MOVEBR, HENNESSY BOULEVARD TO PERKINS ROAD CONNECTOR City of Baton Rouge, LA Project Manager. This project consisted of design and construction of a new 2,600 feet long connector roadway and railroad underpass bridge. The project included depressing the new roadway under the existing KCS railroad track to provide grade separation from the railroad. The project will also include a new drainage pump station. Retaining structures, sheet piles or otherwise, will be required for temporary support of one track of the R/R while the other is constructed to maintain operations of the R/R. The proposed new connector roadway was designed to be constructed to connect Hennessy Boulevard and Perkins Road in Baton Rouge, Louisiana. The scope of work consisted of performing soil borings along the proposed roadway and the required laboratory testing to evaluate the existing subsurface soils conditions to provide recommendations for: an effective pavement section, deep foundations to support the railroad bridge and proposed retaining walls, and retaining wall design parameters.			
02/20 - 04/22	MOVEBR, JONES CREEK ROAD EXTENSION: JEFFERSON HIGHWAY TO AIRLINE HIGHWAY City of Baton Rouge, LA Project Manager. This project consisted of design and construction of a new, approximately 0.70-mile long, four-lane roadway extension to connect Jefferson Highway to Airline Highway, near Jones Creek Boulevard in Baton Rouge, Louisiana. The scope of work consisted of performing soil borings along the proposed roadway and the required laboratory testing to evaluate the existing subsurface soils conditions to provide recommendations for an effective pavement section.			
01/17 - 09/19	BAYOU TERREBONNE LADOTD Terrebonne Parish, LA Project Engineer. Responsible for the geotechnical exploration phase of this project. The project consisted of geotechnical field and laboratory testing services to determine the soil conditions at the bridge's site and the preparation of final boring logs in LADOTD format.			

FIRM EMPLOYED BY		GeoEngineers, Inc.		
NAME	David Eley, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	19	
TITLE	Principal Geotechnical Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	16	
DEGREE(S) / YEARS / SPECIALIZATION		MS 1991 Civil Engineering; BS 1989 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 26373 LA 9/30/2027		
YEAR REGISTERED	1995	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	David is a principal with 35 years of experience in geotechnical engineering, construction management and project management, including a couple years working in the LADOTD Road Design section. David has extensive experience with overseeing geotechnical laboratories and enforcing quality testing protocols and standards for projects ranging from marsh creation to critical transportation projects. He has completed settlement, pile capacity, pavement design and bearing capacity calculations for numerous projects; also including calculations, recommendations for site fill and grading, excavation safety and other construction issues. Along with transportation projects, additional projects have been listed below where the analysis is applicable to geotechnical aspects of transportation projects. David will serve as SENIOR GEOTECHNICAL ENGINEER for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
02/21 - 11/21	PHOENIX MARSH CREATION - EAST & WEST INCREMENTS PROJECT (BS-0042 & BS-0044) CPRA Plaquemines Parish, LA Lab Supervisor. David oversaw the laboratory assignments and testing operations of the project, based on the soil collection. The objective of the East Increment is to create and nourish approximately 392 acres of marsh, and the objective of the West Increment is to create and nourish approximately 411 acres of marsh by hydraulically dredging material from a borrow source located in the Mississippi River. This material will be placed in designated marsh creation areas formed by constructing earthen containment dikes around the perimeter. GeoEngineers performed field explorations and investigations by drilling 13 soil borings using an airboat-mounted drill rig using mud-rotary techniques. Upon completion, each borehole was backfilled full-depth with cement-bentonite grout in accordance with Louisiana requirements. GeoEngineers also completed 33 CPT soundings to a depth of 40 feet bml using an airboat-mounted hydraulic jack to push the cone and grout the CPTs upon completion. Along with the laboratory testing, GeoEngineers provided subsequent engineering design for the marsh creation project.			
07/14 - 05/22	CAMERON MEADOWS MARSH CREATION AND TERRACING (CS-66) CPRA Cameron Parish, LA Lab Supervisor. David oversaw the geotechnical services for this multi-faceted project that included marsh creation, terraces, a water control culvert structure, and an underground highway crossing for a hydraulic fill pump line. He oversaw laboratory operations and assignments, while also determining the proper testing and protocols based on sample collection. GeoEngineers identified a geologic fault near the proposed water control structure and re-located the structure to avoid settlement problems associated with the fault. Design elements included slope stability and settlement for terraces and containment dikes, settlement estimates for hydraulic fill, recommendations for trenchless technologies to install the underground highway crossing, erosion protection for the culvert outlets and recommendations regarding pile capacity and seepage for the culvert structure.			
02/13 - 04/13	I-49/US90 WIDENING OVER LA182 AND BNSF RAILROAD LADOTD Lafayette, LA Lab Supervisor. GeoEngineers was involved in a LADOTD widening project in preparation for upgrading US90 to I-49 from Albertson Road to Ambassador Caffery where David assisted with executing field exploration program, including the laboratory testing and technical analysis. Along with conducting bridge and roadway borings, Dave supervised the laboratory test specification and report generation based on data from the tests. GeoEngineers completed 119 borings for the project on a fast-track schedule utilizing multiple drill rigs to meet the deadline.			
08/12 - 07/15	I-210 AT COVE LANE INTERCHANGE LADOTD Lake Charles, LA Lab Supervisor. David assisted with development of the schedule and cost estimate for this fast-track design and construction project in support of the proposed Interchange on I-210 at Cove Lane. As the lab supervisor, David helped organize laboratory testing assignments and coordinated a field investigation including multiple simultaneous drilling and CPT rigs, with lane closures and traffic control.			
03/13 - 06/13	NEW WAREHOUSE Addis, LA Lab Supervisor. David drilled soil borings, assigned laboratory tests, and completed a geotechnical engineering evaluation used by design-build contractor to design the foundation system for a 500 by 400 foot warehouse. He also was responsible engineer for construction monitoring work including monitoring documenting site fill, auger-cast pile construction, road construction, and concrete work.			

FIRM EMPLOYED BY		Thompson Engineering, Inc.		
NAME	Alton O. Davis, AIA, NCARB, ICC	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	4	
TITLE	Director of Architecture	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	37	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1987 Architecture		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Architect No. 6837 LA 12/31/2026		
YEAR REGISTERED	2008	DISCIPLINE	Architecture	
Contract role(s) / brief description of responsibilities	Alton has 41 years of architectural experience including all facets of architectural design and management services from programming through construction administration including but not limited to, master planning, code review, cost estimating, scheduling, project management, design development, engineering coordination, construction documents, and specification writing as well as project staff scheduling and firm revenue projections. Alton will provide BRIDGE ARCHITECTURAL SERVICES and HISTORIC PRESERVATION services for this contract. Alton meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 13			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
04/25 - Ongoing	CONTRACT 5 FOR MOVABLE BRIDGES (6) LADOTD Vermilion, St. Martin, Calcasieu, and Lafayette Parishes, LA Architectural Manager. Architectural Manager for the rehabilitation of six Bridge Tender Houses throughout Louisiana. The scope of work includes removing and replacing all existing windows with new impact resistant glazing, removing and replacing all interior and exterior doors, removing and replacing all finish flooring ceiling, repairing and re-painting all interior wall finishes and damaged areas, repairing and refinishing roof ladder and canopy as required, cleaning all exterior wall surfaces and inspecting and resealing all wall penetrations, removing and replacing all furniture/millwork with new construction and installing a new weather-resistant roofing system.			
04/08 - 09/10	NEW ORLEANS LAKEFRONT AIRPORT HISTORIC TERMINAL BUILDING Orleans Parish, LA Architectural Project Director. Project consisted of the rehabilitation and restoration of historic 1929 Terminal Building, built by artisan and master craftsman during the Art Deco period. During the Cuban missile crisis, it was transformed into a potential military shelter for the Air National Guard and complete encased in the steel and stucco enclosure with only (3) windows. After being heavily damaged and flooded during Hurricane Katrina, the building encasement was removed and the entire building (interior and exterior) was restored to its original grandeur with 144 windows, terrazzo floors, ornate aluminum and mahogany details, and colorful murals and ceilings.			
09/11 - 01/12	STABILIZATION AND FEASIBILITY STUDY OF HISTORIC KENNER HIGH SCHOOL Jefferson Parish, LA Architectural Project Director. An intricate investigation and study of the oldest high school building (circa 1924) in Louisiana, listed on the National Register of Historic Places. Badly damaged by Hurricane Katrina and subsequent neglect, this elegant Neo-Classical building with intricate brickwork and ornate antique millwork and trim was on the verge of degradation. The study consisted of a thorough building architectural and structural assessment as well as a comprehensive report and detailed budget for the scope of work (following Department of Interior Guideline for Historic Restoration) needed to stabilize then restore the building such that it could be put back into commerce as a City of Kenner government facility.			
01/08 - 02/11	NEW ORLEANS RECOVER SCHOOL DISTRICT - ELEVEN HISTORIC SCHOOLS Orleans Parish, LA Architectural Project Director. Repairs and restoration of 11 historic school buildings for the New Orleans Recovery School District including several of the McDonough Schools (circa 1912 - 1930). These structures were badly damaged by Hurricane Katrina and lack of maintenance after the event such that they needed roof replacement, window and door replacement, interior repairs and renovations, etc. Worked with FEMA to secure the proper funding, these 11 schools were all refurbished and opened for classes again in 2011.			

06/25 - Ongoing	CONTRACT 2 FOR MOVABLE BRIDGES (5) LADOTD Vermilion, St. Martin, Cameron, and Assumption Parishes, LA Architectural Manager. Architectural Manager for the rehabilitation of five Bridge Tender Houses throughout Louisiana. The scope of work includes removing and replacing all existing windows with new impact resistant glazing, removing and replacing all interior and exterior doors, removing and replacing all finish flooring ceiling, repairing and re-painting all interior wall finishes and damaged areas, repairing and refinishing roof ladder and canopy as required, cleaning all exterior wall surfaces and inspecting and resealing all wall penetrations, removing and replacing all furniture/millwork with new construction and installing a new weather-resistant roofing system.
03/18 – 06/19	HISTORIC SOUTHERN HOTEL ANNEX BUILDING St. Tammany Parish, LA Architect and Project Manager. Renovation and adaptive re-use of this historic building constructed in 1937 using Treasury Department funds (Work Progress Administration) after the Great Depression. The brick Colonial Revival structure was the original Post Office in Covington, LA and later became home to the St. Tammany Parish School Board; prior to that, it was the rose gardens and tennis courts of the historic Southern Hotel. Purchased in 2017 by the hotel, this facility was completely restored and transformed as the Annex Building with new theme inspired and colorful private suites with a lush courtyard for outdoor entertaining. In addition to the building restoration, the original murals in the building were restored, including “Tung Oil Industry” by Xavier Gonzales.
09/20 – Ongoing	ST. JOHN THE BAPTIST PARISH WEST BANK MULTIPURPOSE COMPLEX St. John the Baptist Parish, LA Architectural Manager. Responsible for supervising the preparation of construction documents, overseeing submittal plan reviews to the Fire Marshal and St. John Parish Code Enforcement, and direct coordination with the Owner and subconsultants. The project consists of a new 13,538 SF multipurpose facility for the West Bank of St. John the Baptist Parish. The facility will be used for public events and will include the following spaces: multipurpose room, conference room, storage, mechanical and electrical storage, laundry, catering kitchen/concession stand, corridor, Porte cochere, patio and janitor’s closet. The new sitework includes 18,800 SF of parking, roads and sidewalks.
01/23 – Ongoing	CITY OF GONZALES CARE CENTER Ascension Parish, LA Architectural Manager. Project consists of a large multipurpose space (gymnasium), meeting rooms, offices, concession stand, men’s and women’s restrooms and a pronounced public lobby that has an architecturally unique roof design and large storefront windows that provide natural lighting throughout the entry. In addition, there are the necessary utilitarian spaces for storage, IT, mechanical, electrical, etc. The interior design was programmed and planned such that the layout meets the needs of the various events that it may be used for, and includes clear circulation and wayfinding patterns, consistent with efficient movement of the numerous patrons expected to enjoy its use. Mr. Davis and the Meyer Design Team were challenged to design a building that contains all the spaces required in a building that was visually appealing and for a price that met the Owner’s budget. The result is this architecturally significant structure that will be home to many recreational and educational events in the future and will serve the City of Gonzales and the local community for years to come.
07/25 – Ongoing	NEW KENNER CITY HALL Jefferson Parish, LA Senior Architect. Design of either one 4-6 story high or two 2-3 stories high government office buildings with proper ground level parking, drainage, sewer/water, lighting, landscaping, etc. The location of the project site is to be the west side of Williams Boulevard (LA 49) in the vicinity of W. Metairie Avenue. The site is where the old City Hall complex existed before several buildings sustained significant irreparable damage during Hurricane Ida. Within the project site, two existing office buildings which are currently occupied with City personnel will remain in place. Within the project site there is also a Veterans Park which contains numerous decommissioned military equipment. The approximate rough square footage is estimated to be 44,150 SF.
03/17 – 11/22	PORT OF SOUTH LOUISIANA ADMINISTRATIVE BUILDING AND BUSINESS CENTER St. John the Baptist Parish, LA Senior Architect. Design of a three-story 31,761 SF structure with a parking garage on the ground level and two stories of office and meeting space. The structure is poured in place concrete, and steel trusses with prefinished standing seam metal roof. The site includes new utilities, new paved parking, site lighting and concrete walks.
04/22 – 03/25	ASSUMPTION PARISH WATER DISTRICT ADMINISTRATION BUILDING Assumption Parish, LA Senior Architect. Senior Architect for new 6,750 SF administration building for Assumption Parish Waterworks District #1 located in Napoleonville, Louisiana. The project consists of designing an administrative office building for citizens to pay their water bill, an open office area for the administration staff, men’s and women’s restrooms, lounge/lunchroom, Commissioners Board Room for Public Meetings, Commissioners Private Conference Room, storage closets, exterior patio area, mechanical, electrical and janitor rooms, phone and computer server room and other ancillary spaces. A new parking lot was constructed at the rear of the building for administration staff and an extension of the front parking lot for visitors.

FIRM EMPLOYED BY		Thompson Engineering, Inc.		
NAME	Marco A. Perez, III	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	1	
TITLE	Senior Designer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	1	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2023 Architecture		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Marco has two years of architectural experience. During his academic career, he gained practical experience through multiple internships, where he was exposed to a range of project types and professional workflows. Since joining Meyer, Marco has been actively involved in every phase of project development – from initial design and programming through construction documentation and administration. He has contributed to the design, drafting, and 3D modeling of various projects, demonstrating a strong grasp of both technical detail and architectural intent. His hands-on approach and collaborative mindset have made him an integral part of the project team. Marco will serve as BRIDGE ARCHITECTURAL DESIGNER for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.			
04/25 - Ongoing	CONTRACT 5 FOR MOVABLE BRIDGES (6) LADOTD Vermilion, St. Martin, Calcasieu, and Lafayette Parishes, LA Architectural Designer. Architectural Designer for the rehabilitation of six Bridge Tender Houses throughout Louisiana. The scope of work includes removing and replacing all existing windows with new impact resistant glazing, removing and replacing all interior and exterior doors, removing and replacing all finish flooring ceiling, repairing and re-painting all interior wall finishes and damaged areas, repairing and refinishing roof ladder and canopy as required, cleaning all exterior wall surfaces and inspecting and resealing all wall penetrations, removing and replacing all furniture/millwork with new construction and installing a new weather-resistant roofing system.			
07/23 - Ongoing	JEFFERSON PARISH EAST BANK ANIMAL ADOPTION & SERVICES FACILITY Jefferson Parish, LA Architectural Designer. Responsible for the design, construction documents, and consultant coordination for the new animal adoption and services facility to replace the old one on the east bank for Jefferson Parish. The project consists of the design of a new Animal Care and Services Facility. The site designed to accommodate the new building, exterior spaces for people and animals, and parking. The new 27,000 SF building featured three public lobbies that host the animal adoption wing, clinic center and intake housing. Ancillary spaces include restrooms, storage, food storage, mechanical, electrical and IT rooms, laundry and cage washing.			
04/25 - Ongoing	GONZALES READINESS CENTER MODERNIZATION Ascension Parish, LA Architectural Designer. Currently designing the multi-phased interior and exterior renovation to the existing Readiness Center in Gonzales, Louisiana for the Louisiana National Guard. The exterior renovations include construction of a new storefront entrance with signage and decorative brick. The interior renovations include construction of new offices, a fitness center, a lactation room, and fully renovated bathrooms, kitchen and food service.			
02/25 - Ongoing	CENTRAL MIDDLE SCHOOL ITTC BUILDING RENOVATIONS Ascension Parish, LA Architectural Designer. Designed the renovations to the Instructional Technology Training Center (ITTC) located at Central Middle School in Gonzales, Louisiana. The project consists of the demolition of the existing interior conditions, and new construction to create five spaces with all new finishes throughout the building, a new main entrance with a column supported canopy and removal of existing entryway, addition of a new restroom, and a new adjoining sidewalk. The building plays a vital role, not only in the schools’ training and education, but will serve as a dedicated meeting space for future school board meetings and other important gatherings for the school system.			

FIRM EMPLOYED BY		Thompson Engineering, Inc.		
NAME	Raymond Brown, III, AIA	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	6	
TITLE	Project Architect	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	35	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1985 Architecture		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		#3601 LA 12/31/2026		
YEAR REGISTERED	1985	DISCIPLINE	Architecture	
Contract role(s) / brief description of responsibilities	Raymond has a wealth of knowledge and experience having practiced architecture for over forty-one years. His architectural design experience with buildings both in the public and private sectors range from Assisted Living Facilities, Hotels, Educational Facilities, Churches, Military Facilities, Banks, Hospitals and Theme Parks. He is responsible for all phases of project development on public buildings such as design schematics through construction administration, building design, project team coordination, contract document production and quality control. He also provides timely document delivery through all contract phases, coordination during construction, and expertise in building envelope assembly design and performance. Mr. Brown's professional recognition consists of Gambit Weekly's People Choice Award 2000 for Best Architecture for Jazzland Theme Park – New Orleans and Louisiana Contractor Magazine Award of Merit for Jazzland Theme Park. Raymond will serve as BRIDGE ARCHITECTURAL DESIGNER for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
09/20 - Ongoing	ST. JOHN THE BAPTIST PARISH WEST BANK MULTIPURPOSE COMPLEX St. John the Baptist Parish, LA Project Manager. Responsible for the preparation of construction documents, submittal of plan reviews to the Fire Marshal and St. John Parish Code Enforcement, and coordination with the Owner and subconsultants. The project consists of a new 13,538 SF multipurpose facility for the West Bank of St. John the Baptist Parish. The facility will be used for public events and will include the following spaces: multipurpose room, conference room, storage, mechanical and electrical storage, laundry, catering kitchen/concession stand, corridor, Porte cochere, patio and janitor's closet. The new sitework includes 18,800 SF of parking, roads and sidewalks.			
03/19 - 08/22	LAMAR DIXON EXPO CENTER GYMNASIUM EXPANSION Ascension Parish, LA Project Manager. Responsible for the design and construction drawings and specifications for the new 13,568 SF gymnasium expansion that contains a basketball area with bleacher seating for 527 occupants. The structure also contains a lobby, restroom facilities, janitor closets, storage, sprinkler riser room, electrical room, and mechanical mezzanine. The occupancy is classified by NFPA 101 2015 as Assembly. The occupancy classification type per IBC 2015 is Assembly Group A-4. The construction type per NFPA 101 2015 is Type II (000) and the construction type per IBC 2015 is Type II-B. The structure is protected throughout by an automatic sprinkler system. A pre-engineered metal building frame with an eave height of approximately 25' is the primary structure of the building. The roof is metal building roof panels and metal building wall panels sheath the upper portion of the exterior walls. The lower portion of the exterior wall is an insulated cavity wall with 4" split-faced concrete masonry units at the exterior and 8" concrete masonry units at the interior.			
07/23 - Ongoing	JEFFERSON PARISH EAST BANK ANIMAL ADOPTION & SERVICES FACILITY Jefferson Parish, LA Quality Assurance/Quality Control Review. Providing QA/QC Review for the new animal adoption and services facility to replace the old one on the east bank for Jefferson Parish. The project consists of the design of a new Animal Care and Services Facility. The site designed to accommodate the new building, exterior spaces for people and animals, and parking. The new 27,000 SF building featured three public lobbies that host the animal adoption wing, clinic center and intake housing. Ancillary spaces include restrooms, storage, food storage, mechanical, electrical and IT rooms, laundry and cage washing.			
11/21 - 05/25	PARC DES FAMILLES VISITOR CENTER Jefferson Parish, LA Project Architect/Designer. Provided design of a 2,500 SF visitor center. The project consisted of a building that will serve visitors seeking information about park activities, attractions, hours, shelter rental, disc golf, and other amenities that the park provides. The visitor center building is located near the entrance of the park. The building was designed in the style of an Acadian Cottage. The building included a reception / display area, two offices with a closet, vestibule to restrooms, restrooms, meeting room with seating for 25-30, storage room, break room, mechanical/electrical room, IT room, sprinkler riser closet, janitor closet, attic mechanical space, service building and porch area. A new parking lot was constructed to include a sufficient amount of parking space as required by Planning and Zoning. Mr. Brown provided a full range of architectural services beginning with the project programming and concluding with project closeout. He coordinated with the Owner and all project consultants to ensure that this facility is completed on time and within budget.			

FIRM EMPLOYED BY		Thompson Engineering, Inc.	
NAME	David H. Dupre, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	38
TITLE	Project Manager / Civil Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	3
DEGREE(S) / YEARS / SPECIALIZATION		BS 1984 Civil Engineering	
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 23422 LA 03/31/2028	
YEAR REGISTERED	1989	DISCIPLINE	Civil Engineering
Contract role(s) / brief description of responsibilities	David is involved with all aspects of administering engineering projects which include client contact, cost estimates, design, quality control, construction administration, preparation of reports, plans and specifications. He participates in most facets of Civil Engineering design including roads, bridges, drainage, sanitary sewer, water and structural. He was the 2020-2021 Chairman of the Board of the American Council of Engineering Companies Louisiana (ACECL) and the former New Orleans Chapter President. In 2016, he was honored to receive the Outstanding Civil Engineer award from the New Orleans Branch of the ASCE. He is also a member of SAME, ASCE, APWA, CMAA and LES. He has designed projects in accordance with DOTD's "Roadway Design Manual", "Hydraulics Manual", "Bridge Manual", "Complete Streets Manual", and the "Louisiana Standard Specification for Roads and Bridges". He is certified in Local Public Agency Qualification Core Training, Construction Engineering and Inspection (CE&I) Training, Project Planning, Feasibility & Application Workshop, Project Design and Delivery Training. He completed the Designing Streets for Pedestrian & Bicycle Safety Workshop. He is a LADOTD certified Traffic Control Supervisor and Flagger. David will provide ROADWAY/TRAFFIC ENGINEERING services for this contract. David meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 8		
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.		
10/22 - Ongoing	US 190 AT LA 433 INTERSECTION IMPROVEMENTS St. Tammany Parish, LA Project Manager. Preparing a Stage 0 Study for intersection improvements at US 190 at LA 433. The improvements may include tying Dixie Ranch Road into this intersection. Design also includes preparing an Intersection Control Evaluation (ICE) Study in accordance with DOTD procedures. To complete this analysis, a traffic study was performed in accordance with DOTD guidelines and standards. A safety analysis was also conducted after reviewing crash reports and trends. Several alternatives to the design are several roundabout layouts as well as intersection improvements.		
01/24 - Ongoing	VETERANS BOULEVARD SHARED-USE PATH LADOTD State Project No: H.015796 Jefferson Parish, LA Project Manager. Providing design of 8,500 linear feet of 12' wide concrete multi-use path along Veterans Boulevard from Richland Street to Williams Boulevard. Plans and construction will be in accordance with DOTD requirements for this DOTD Transportation Alternatives Project. Improvements include a pedestrian bridge that shall have 13' - 8" clearance and lighting.		
03/08 - 07/22	HOWARD AVENUE EXTENSION (LOYOLA AVENUE TO LASALLE STREET) LADOTD State Project No: H.007272 Orleans Parish, LA Project Manager. Responsible for managing and designing the extension which consisted of a 1,600' concrete roadway with curbs, subsurface drainage, turn lane, 7' wide sidewalks, striping, traffic signals, and street lighting.		
06/13 - 12/15	LA 431 AT LA 934 INTERSECTION IMPROVEMENTS LADOTD State Project No: H.007855 Ascension Parish, LA Project Manager. Provided engineering and project management for this DOTD Urban Systems project which includes intersection improvements which consist of pavement widening, asphalt pavement and base course, asphalt mill and overlay, drainage, and adding left and right turn lanes.		
01/18 - Ongoing	DUPLESSIS ROAD SAFETY WIDENING LADOTD State Project No: H.013850 Ascension Parish, LA Project Manager. Responsible for the design, plan preparation, and construction administration for the road safety widening. Duplessis Road is categorized as an Urban Collector Roadway that provides connection between major LADOTD Roads: Airline Highway (US Highway 61) and Old Jefferson Highway (LA Highway 73). As part of the Move Ascension Roadway Improvement Program, Meyer is tasked with designing the full roadway reconstruction of the 1.65-mile portion of the road to widen the road from 18' wide to 26' wide (two 11' wide lanes and two 2' wide paved shoulders). The road and shoulder safety widening will aid in vehicle recovery and provide a safer roadway for traveling motorists.		



05/22 - Ongoing	S. LEWIS STREET WIDENING LADOTD State Project No: H.013522.5 Iberia Parish, LA Project Manager and Senior Design Engineer. Responsible for the design to widen South Lewis Street with turn lanes to improve its intersection with LA 674 (East Admiral Doyle). The limits on South Lewis Street are approximately 1,100' south and approximately 700' north of LA 674 (East Admiral Doyle) in New Iberia, Louisiana. The project will also incorporate improvements on LA 674 (East Admiral Doyle). The improvements will include the addition of turn lanes, pavement widening, mill and overlay, and subsurface drainage.
06/13 - 05/18	LA 59: CURVE REALIGN AND TUNNEL AT TRACE LADOTD State Project No: H.010184 St. Tammany Parish, LA Project Manager. Responsible for designing the road, geometry, and drainage for LA 59: Curve Realign and Tunnel at Trace project. Improvements included flattening the radius of LA 59 at the existing dangerous "S" curve as the road crosses the trace. Other improvements included drainage, utility relocations, and raising the grade of the road two feet for the tunnel. This portion of the project is paid for under the Highway Safety Improvement Program (HSIP). Work also included construction of a pedestrian tunnel under LA 59. The tunnel work includes a 14' x 10' box culvert, approach ramps, sump pump, wet well, waterproofing, and vandal resistant lighting. This portion of the project is funded through the Transportation Alternatives Program (TAP).
10/20 - Ongoing	SCENIC HIGHWAY PROJECT (HARDING BOULEVARD TO SWAN AVENUE) East Baton Rouge Parish, LA Project Manager. Responsible for completing the drainage design for the Scenic Highway (Harding Boulevard to Swan Avenue) Corridor Enhancement Project. As part of the MOVEBR Program, the project proposes to enhance pedestrian, transit, and bicycle safety and mobility by improving the existing corridor to better accommodate the Complete Streets needs in the area. Traffic and geometry analysis of considered concepts are being developed to enhance pedestrian, transit, and bicycle mobility throughout the corridor. He also designed the drainage for this corridor, which includes drainage along Scenic and cross drains across Scenic Highway (US 61) and across Harding Boulevard (LA 48).
10/23 - Ongoing	ST. BERNARD TERMINAL ROAD STUDY St. Bernard Parish, LA Project Manager. Responsible for conducting a Stage 0 Feasibility Study to evaluate impacts and assess potential improvements to the surface transportation network in St. Bernard Parish relative primarily to the implementation of the proposed Louisiana International Terminal (LIT) project in Violet, as well as other downriver developments to be identified and reviewed.

FIRM EMPLOYED BY		Thompson Engineering, Inc.		
NAME	Justin Bosarge	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	10	
TITLE	Lead Construction Inspector	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	9	
DEGREE(S) / YEARS / SPECIALIZATION		N/A		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Justin is a DOTD Certified Inspector with 19 years of experience in road construction. He is certified in Designing Pedestrian Facilities for Accessibility, and has the following certifications: LADOTD Certified in Embankment and Base Course, Portland Cement Concrete (PCC) Paving, Asphalt Paving, Structural Concrete, and LADOTD Certified Traffic Control Supervisor and Flagger. He is well versed in DOTD's construction software Site Manager and HeadLight. Justin will provide CONSTRUCTION INSPECTION services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
04/25 - Ongoing	VETERANS BOULEVARD: DAVID DRIVE TO CLEARVIEW PARKWAY LADOTD State Project No: H.014682 Jefferson Parish, LA Inspector. Inspector for the Construction Engineering and Inspection (CE&I) Services for the Veterans Boulevard roadway improvement project, spanning from David Drive to Clearview Parkway. The scope includes asphalt milling and overlay, pavement patching, and removal and replacement of guard rails, catch basins, and manholes. Additional improvements include new drainage structures, loop detectors, combination curb and gutter, brick sidewalks, tree protection and root pruning. All aimed at enhancing roadway function, drainage and pedestrian access.			
07/21 - Ongoing	LA 24 AND LA 316: COMPANY CANAL BRIDGE LADOTD State Project No: H.010498 Terrebonne Parish, LA Inspector. Inspector for the CE&I for the construction of a new vertical lift bridge over the Company Canal on LA 24 at the new operator's house. The new vertical lift bridge will be built on the existing alignment. Duties include maintaining field records, making daily entries in the project diary, coordinating with DOTD and appropriate utility representatives, inspecting the contractor's construction operations (daily) to ensure that all work is being performed in accordance with the plans and specifications, keeping clear and concise records of contractual operations, and preparing final estimate packages, including Form 2059 "Summary of Test Results" in conformance with DOTD requirements			
05/23 - Ongoing	ROUNABOUT AT PR 929 AND PARKER ROADS LADOTD State Project No: H.006457 Ascension Parish, LA Lead Inspector. Lead Inspector for the CE&I for the roundabout at PR 929 and Park Roads which includes removal of existing pavement base, treatment of subgrade layer, soil cement base, milling, asphalt base/binder/friction course paving, PCC paving, embankment, striping/signs, combination curb and gutter, and new drainage. Meyer is working hand in hand with the Contractor, DOTD and the Ascension Parish Engineering Department.			
03/19 - 11/19	WB VETERANS: SEVERN AVENUE - CLEARVIEW PARKWAY LADOTD State Project No: H.012783.6 Jefferson Parish, LA Lead Inspector. Lead Inspector for the CE&I which included pavement patching, superpave asphaltic concrete and combination curb and gutter. The work also included cold planing asphalt pavement, concrete walks, handicap curb ramps, striping, loop detectors, guard rail and new drainage structures.			
07/23 - Ongoing	ROUNABOUT AT CHURCHPOINT AND RODDY ROADS LADOTD State Project No: H.006459 Ascension Parish, LA Lead Inspector. Lead Inspector for the CE&I which includes removal of existing pavement and base, treatment of subgrade layer, soil cement base, milling, asphalt base/binder/friction course paving, PCC paving, embankment, striping/signs, curb and gutter and new drainage.			
05/17 - 09/19	LAPALCO (VICTORY-WESTWOOD) LADOTD State Project No: H.007175 Jefferson Parish, LA Inspector. Inspector for the CE&I for widening the four-lane section of Lapalco Boulevard from Victory Drive to Westwood Drive by adding a median. The work also consisted of clearing and grubbing, grading, drainage structures, milling, asphalt pavement, patching, class II base course and related work. Duties included gathering and organizing samples and documentation for the DOTD approved sampling plan and 2059, inspecting construction activities in the field, documenting field operations in field books and Site Manager system, measuring and verifying quantities with the contractor, coordinate field testing as required, and maintaining record drawings.			
11/15 - 12/18	COUNTRY DRIVE WIDENING PHASE A (JEFF DRIVE TO PRESQUE ISLE DRIVE) LADOTD State Project No: H.007351 Terrebonne Parish, LA Lead Inspector. Lead Inspector for the CE&I which included the complete reconstruction and widening of 7,300 LF of Country Drive. Work also included clearing and grubbing, drainage structures, cold planing asphaltic concrete, pavement patching, class II base course, superpave asphaltic concrete pavement, and traffic pavement markings. Traffic was maintained on this busy street.			

FIRM EMPLOYED BY		Thompson Engineering, Inc.		
NAME	Byron Mackey	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	10	
TITLE	Construction Inspector	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	7	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2009 Construction Management		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Byron is a DOTD Certified Inspector with 17 years of experience in road construction. He is well versed in DOTD's construction software Site Manage and Headlight. He has certifications in the following: LADOTD Certified in Embankment and Base Course, Portland Cement Concrete (PCC) Paving, Asphalt Concrete Paving, Structural Concrete and a LADOTD Certified Traffic Control Supervisor and Flagger. Byron will provide CONSTRUCTION INSPECTION services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
01/25 - Ongoing	TERRY PARKWAY: LA 23 TO US 90B (CE&I) LADOTD State Project No: H.014625 Jefferson Parish, LA Inspector. Inspector for the Construction Engineering and Inspection Services (CE&I) for pavement rehabilitation on Terry Parkway. The project consists of removal and replacement of concrete road panels, high-early strength concrete, concrete curb, sidewalks, pavement, catch basin and manhole adjustments and pavement striping.			
02/23 - Ongoing	LA 45/LA 303 ROSETHORNE PATH (LAFITTE) LADOTD State Project No: H.013365 Jefferson Parish, LA Inspector. Inspector for the CE&I for the path which includes an approximately 10,000' 6' wide concrete path along the east side of LA 45 (Jean Lafitte Boulevard) in the vicinity of Rosethorne Park and the Lafitte Fire Station. Striping, signage and drainage modifications are included in the project.			
01/23 - Ongoing	ST. BERNARD 40 ARPENT TRAIL LADOTD State Project No: H.013525 St. Bernard Parish, LA Inspector. Inspector for the CE&I for construction of an approximately 47,610 LF asphalt bicycle-pedestrian path along the 40 Arpent Levee from Arabi to the Violet Canal. The project also includes two bicycle-pedestrian bridges.			
09/22 - Ongoing	CITRUS BOULEVARD IMPROVEMENTS Jefferson Parish, LA Inspector. Inspector for the CE&I for street reconstruction for approximately 5,000 LF of Citrus Boulevard. Construction consists of the removal of the existing roadway surface, installation of sand base as required and 9" thick concrete pavement with concrete curbs. Construction shall also include the adjustment of drainage, sewer and water structures.			
10/16 - 07/18	LA 18 (4TH STREET EXTENSION - BURMASTER) LADOTD State Project No: H.001413.6 (CE&I) Jefferson Parish, LA Lead Inspector. Lead Inspector for the CE&I for the new construction on LA 18 which included grading, concrete pavement, curbs, base course and subsurface drainage. Additional work included clearing and grubbing, drainage structures, sidewalks, landscaping, light poles, and traffic pavement markings			
08/15 - 05/18	PAKENHAM DRIVE (LA 46 - LA 49) LADOTD State Project No: H.007331 St. Bernard Parish, LA Inspector. Inspector for the CE&I which included constructing a new asphaltic concrete roadway with curb and gutter, sidewalks and subsurface drainage. Work also included removing the existing roadway, constructing traffic signals, sewer lines and water lines.			

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Steven L. Lauer, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	14	
TITLE	Supervisor-Eng	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2010 Civil Engineering; BS 2009 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 0050059 LA 9/30/2027		
YEAR REGISTERED	2025	DISCIPLINE	Civil Engineering NBIS Certified Team Leader/Program Manager NHI 130078 - Fracture Critical Inspection Techniques of Steel Bridges NHI 130055 - Safety Inspection of In-Service Bridges (& Refresher 130053) Society of Professional Rope Technicians/ Level I Transportation Worker Identification Credential (TWIC) Indiana Bridge Load Rating Engineer, IN000551-2025-ATL-F-LRE(2026)	
Contract role(s) / brief description of responsibilities	Steven has over 14 years of experience and will lead bridge load ratings. He will lead the bridge inspections including use of technical rope access and assist with instrumentation and balancing. Steven will provide BRIDGE DESIGN/LOAD RATING services for this contract. Steven meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 4			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
11/24 - 09/25	CHICAGO SKYWAY BRIDGE OVER THE CALUMET RIVER Chicago, IL Project Engineer. Responsible for leading special inspections to document gusset plates and selected members with advanced section loss for multiple structures having a total length greater than one mile. Led the load rating of these bridge and viaduct structures, incorporating the measured section loss where necessary.			
09/24 - 09/25	US 60/62 OVER THE MISSISSIPPI RIVER Cairo, IL Project Manager, Inspection Team Leader, and Load Rating Engineer. Routine inspection, fracture critical (NSTM) inspection, load rating, and bridge condition report preparation for development of end-of-life plan and possible removal of the complex mile-long steel truss and multi-beam bridge.			
02/24 - 09/25 08/21 - 10/21	IA 9, BLACK HAWK BRIDGE, OVER THE MISSISSIPPI RIVER Lansing, IA Project Manager and Inspection Team Leader. Responsible for the 2021 NSTM, in-depth, element level, and pin UT inspection of the complex three-span through truss river crossing unit, a five-span deck truss unit, and single span multi-girder approach span. Required structure climbing techniques and included removal of fatigue cracks observed during the inspection with a final report detailing further recommendations. In 2024 and 2025, served as the Inspection Team Leader for Special, In-Depth, and Damage inspections following bridge movements caused by nearby construction and also performed load rating analysis of the distorted spans and reviewed the monitoring data.			
08/23 - 08/24	BLATNIK BRIDGE - I-535 OVER THE SAINT LOUIS RIVER Duluth, MN Project Manager. Responsible for the focused load rating to review load ratings performed by others and improve the controlling rating factors at two panel points. Led discussions, investigation, and performed refined calculations developed by WJE to prevent closure of the bridge and improve the accuracy of the load ratings by others by indicating necessary corrections. Developed an Inspector's Guide for the most concerning gusset plates for future inspections.			
03/23 - 07/23	GORDON DRIVE VIADUCT CARRYING IA 12 Sioux City, IA Project Manager. Responsible for the routine and element level inspections of the bridge and hands-on arms-length fracture critical inspection of the non-redundant steel Pier 18 cross girder and connections. Oversaw nondestructive ultrasonic testing of the 70 superstructure pins located near ten piers. Prepared an in-depth final report documenting the findings and providing recommendations.			
10/21 - 12/21	IN 46 OVER EAST FORK WHITE RIVER Columbus, IN Team Leader. Responsible for the routine and fracture critical inspection of the cable stayed bridge with center steel pylon and post-tensioned deck that required traditional and rope-access techniques.			
01/21 - 09/25	WASHINGTON AVE BRIDGE OVER THE MISSISSIPPI RIVER Minneapolis, MN Project Engineer. Responsible for finite element modeling, load rating, and instrumentation capable of recording strain, displacement, rotation, and temperature. The double-deck bridge, now showing distress, has a pedestrian level and retrofitted vehicular level that now includes light rail transit.			

05/21 – 07/21	I-40 OVER THE MISSISSIPPI RIVER Memphis, TN Project Engineer. Responsible for the instrumentation installation using rope-access techniques following the fracture of the tie-girder in the two-span continuous tied arch.
02/21 - 06/21	RICHMOND-SAN RAFAEL BRIDGE OVER THE SAN FRANCISCO BAY San Francisco, CA Project Engineer. Responsible for limited review of load rating by others in an attempt to improve rating factors for the controlling panel point through hand-calculations that were then compared to a nonlinear finite element model of the subject gusset plates.
06/21	I-294 UNDER ST. CHARLES ROAD Berkley, IL Project Manager. Responsible for the evaluation of steel multi-beam structure exposed to vehicular fire to determine if it could be returned to service. Performed limited inspection, field hardness testing, and steel core extraction for benchtop hardness testing at WJE's Northbrook, Illinois laboratory and unilateral static tensile tests.
07/20	ELM TREE BRIDGE, WALDEN EAST BRIDGE, AND WALDEN WEST BRIDGE Lake Forest, IL Project Engineer. Responsible for the inspections of the steel arch, steel girder, and steel deck truss bridges using structure climbing techniques.
10/19 – 11/21	SHERMAN MINTON BRIDGE - I-64 OVER THE OHIO RIVER New Albany, IN Project Engineer. Responsible for instrumentation and monitoring, crack arrest hole retrofit installation, and Team Leader for the Fracture Critical and Routine Inspections of truss members of the double-decker bridge, using rope-access and structure climbing techniques.
09/19 – 10/19	Various Off-System Trusses OK Team Leader. Performed fracture critical inspections of ten off-system trusses of varying styles that required rope access techniques.
07/19 – 07/22	DANZIGER LIFT SPAN BRIDGE, US 90 New Orleans, LA Project Engineer. Assisted in the development of a monitoring and sensor installation plan, installation of instrumentation and monitoring equipment, and creation of a web-accessible reporting platform to evaluate the bridge's operations over time. The monitoring was designed to assess bridge span lift operations and included laser distance devices, linear potentiometers, strain gages, temperature measurements, ultrasonic distance measurements, and Wi-Fi cameras.
12/19 – 5/20, 11/18 – 01/19	INDIANAPOLIS BOULEVARD OVER LAKE GEORGE CANAL East Chicago, IN Team Leader. Responsible for routine and fracture critical inspections of a two-girder double-leaf bascule bridge with multi-beam approaches. Load rating engineer for typical vehicles and heavy permit vehicles carrying 180-kip loads. Engineer on-site for largest heavy permit passage and performed pre and post passage special inspections.
10/18 – 01/19	SUNSHINE BRIDGE OVER MISSISSIPPI RIVER St. James Parish, LA Project Engineer. Responsible for monitoring of load redistribution during repairs to truss bottom compression chord damaged by vessel impact. Assisted with jacking system design, review of member repair design, site observations, preparation of shop and jacking procedure drawings, field technical assistance, and chord jacking operations oversight.
08/17 – 02/19	MISSISSIPPI COMPLEX AND TIMBER BRIDGE INSPECTIONS Various Counties, MS Project Engineer. Responsible for inspections of in-service deteriorated timber, steel, and concrete bridges, some requiring rope access. Load rating engineer for more than 200 bridge load ratings.
09/19 – 10/19, 01/17 – 02/18	US 20 JULIEN DUBUQUE BRIDGE OVER THE MISSISSIPPI RIVER Dubuque, IA Project Engineer. Responsible for fracture critical, in-depth, and element level inspections using traditional access and structure climbing techniques on the 5,635-foot-long structure. Load rating of the three-span truss bridge that received a major rehabilitation to increase design load from H20 to HS20 and exhibits deterioration.
08/16 - Ongoing	MICHIGAN AVENUE BASCULE BRIDGE OVER THE CHICAGO RIVER Chicago, IL Project Manager. Responsible for construction project balance calculations and dynamic strain gage balance testing of this double deck, quadruple-leaf, bascule truss bridge with single-unit, side-by-side leaf pairs. Additionally, performed dynamic strain gage balance testing for more than a dozen similar bridges in Illinois since this time.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Douglas Crampton, SE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	26	
TITLE	Principal	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2000 Civil Engineering; BS 1998 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		SE No. 081-006108 IL 11/30/2026		
YEAR REGISTERED	2004	DISCIPLINE	Structural Engineering	
Contract role(s) / brief description of responsibilities	Douglas has over 26 years of experience and will support structural repair design and bridge load ratings. He will provide BRIDGE DESIGN/LOAD RATING services for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
05/20 - Ongoing	NEW HARMONY RIVER BRIDGE New Harmony, IN Project Manager. Completed in 1930 and spanning nearly 2,580 feet over the Wabash River and surrounding floodplain, the former toll bridge is comprised of four Parker through-trusses in the main spans. The bridge is closed to vehicles and pedestrians. In 2020 WJE was retained to complete a cursory inspection and initial load rating to identify what was required to reopen the bridge and to prepare for a more in-depth inspection associated with a possible future rehabilitation. In 2025 WJE performed a load rating to evaluate the existing structure for a reconfigured roadway, which will include one lane of traffic and one lane of pedestrian/bicycle path.			
09/19 - Ongoing	VEHICULAR AND PEDESTRIAN BRIDGE INVENTORY Lake Forest, IL Program Manager. Responsible for inspection of bridge inventory and development of maintenance program with prioritized repairs. Design drawings completed for repair and/or replacement of various structures.			
06/09 - Ongoing	CONSULTANT PROGRAM MANAGER SERVICES Glencoe, IL Project Manager. Responsible for routine inspection of four bridges, monitoring of various conditions, prioritized repair recommendations. WJE performed a study on the concrete bridge decks for two of the bridges in 2024. A load rating of the deteriorated steel beams and a load rating of the new concrete overlay were performed in 2025. For the Sylvan Road Bridge over a creek, a replica of the Ravine Bluffs Bridge designed by Frank Lloyd Wright, originally built on that site, WJE prepared drawings in 2025 to complete a resurfacing project. This project involved removal of deteriorated concrete on the top surface of the bridge deck, resurfacing the bridge deck with a latex modified concrete overlay, adjacent asphalt pavement work, isolated structural concrete repairs, and associated maintenance items. Mr. Crampton led WJE for the construction inspection in the fall of 2025.			
08/25 - 10/25	I-57 BRIDGE REPAIRS SHORING DESIGN Illinois DOT Project Manager. Douglas prepared a shoring procedure to be used for the concrete repairs to the substructures of various I-57 bridges. These bridges include Throop St., 115th St., 119th St., and 125th St., which are all bridges over I-57. The Contract Drawings require that temporary shoring be installed at eleven locations, prior to performing the specified repairs to the concrete substructures. Mr. Crampton prepared the procedure, drawings, and calculations.			
06/22 - 12/24	NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT Project Manager. Designed girder rigging components and prepared erection procedures, drawings, and calculations for 24 commuter rail bridges.			
08/20 - 07/23	LOAD RATING CONTRACT WITH INDIANA DEPARTMENT OF TRANSPORTATION Project Manager. Responsible for LRFR and LFR load rating of over 400 structures. Structures include complex in-service bridges, design review for rehabilitation and new structures, and structures with condition change due to deterioration or collision.			
2023	I-294 BRIDGE OVER 87TH STREET AND ROBERTS ROAD, BEARING RETROFIT DESIGN AND INSTALLATION Bridgeview, IL Project Engineer. This 196-foot wide bridge utilizes 9-foot deep steel girders that were erected in four stages. Near the completion of the project, it was observed that bearings for select girders were installed in a rotated position. Mr. Crampton prepared a jacking procedure to raise the bridge and adjust the bearing installation. Bolted retrofits were also required at isolated girders to properly transfer the load to the adjusted bearings. Upon completion of the jacking procedure and retrofit design, Mr. Crampton performed the construction inspection to ensure that the work was performed in accordance with the approved plan.			

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Jonathan C. McGormley, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	32	
TITLE	Principal	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	1	
DEGREE(S) / YEARS / SPECIALIZATION		MS 1994 Civil Engineering; BS 1992 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 43912 LA 3/31/2028		
YEAR REGISTERED	2019	DISCIPLINE	Civil Engineering NBIS Certified Team Leader and Program Manager; NHI 130078 - Fracture Critical Inspection Techniques of Steel Bridges; NHI 130055 - Safety Inspection of In-Service Bridges (& Refresher 130053)	
Contract role(s) / brief description of responsibilities	Jonathan has 33 years of experience and will serve as INSTRUMENTATION LEAD , and will oversee nondestructive testing and bridge inspections. Jonathan meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 7			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
11/24 - Ongoing	UT OF BRIDGE PINS AND HANGERS, NINE STRUCTURES LA Project Manager. Responsible for visual and ultrasonic inspection of bridge pins and hangers, characterizing and documenting conditions of section loss, cracking, or other forms of distress.			
12/21 - Ongoing	JEFFERSON ST. BASCULE BRIDGE REHABILITATION (MOVABLE BRIDGE) Joliet, IL Project Manager and Structural Engineer of Record (EOR) in responsible charge of the structural design and overseeing the rehabilitation of structural, mechanical, and electrical components of this rolling Scherzer lift bridge over the DesPlaines River.			
12/22 - 08/25	T-1 STEEL WELD ASSESSMENT LA Project Manager. Responsible for the inspection and assessment of T-1 steel butt welds. Work included identifying inspection locations, developing access plans for each structure, and preparing a work plan. Subsequent tasks involved coating removal; UT inspections of welds; QC/QA by a qualified ASNT Level III or Level II inspector; and removal of rejectable indications by grinding or coring. Structures included LA 47, IWGO (New Orleans); I-20 at Mississippi River (Vicksburg); and US 90 at Atchafalaya River (Morgan City).			
01/21 - 05/25	REHABILITATION OF I-80/94, INDIANA TOLL ROAD, STRUCTURE 1A-1 Hammond, IN Structural EOR in responsible charge of structural design for the investigation, field and laboratory testing, service life modeling, and rehabilitation of the steel, multi-girder superstructure comprised of 21 spans. The bridge rehabilitation included the removal of 17 bridge deck expansion joints and installation of link slabs to eliminate future maintenance issues below leaking bridge deck joints. To accommodate the new bridge deck continuity, disc bearings were installed at the base of 18 bent columns. Other repairs were designed to address structural steel deterioration with the structure to receive a new multi-coat paint system.			
02/19 - Ongoing	US 90 OVER BAYOU RAMOS St. Mary Parish, LA Project Manager. Responsible for leading the investigation of delayed end cracking of precast, prestressed concrete (PPC) girders. The project includes the evaluation of previously collected monitoring data, development of a detailed finite element model to examine crack initiation and repair options, inspection of existing retrofits, laboratory fatigue testing of CFRP repairs, and recommendations to address the documented cracking.			
08/24 - 01/25	STRAUSS TRUNNION BASCULE RAILROAD BRIDGE Ontario, CAN Project Advisor and Lead Structural Investigator into cause of collapse.			
03/21-12/23	LULING BRIDGE DECK OVERLAY REPAIR CONSULTATION St. Charles Parish, LA Project Manage. Responsible for revising the project specifications and providing quality control assistance for the repair of an orthotropic deck overlay system comprising an epoxy underlayment with a SFRC overlay on the cable-stayed spans. Installed a long-term monitoring system to evaluate deck performance.			

05/19 – 08/19; 08/20 – Ongoing	I-255 JEFFERSON BARRACKS BRIDGE OVER THE MISSISSIPPI RIVER, EMERGENCY REPAIRS Mehlville, MO Project Manager and Structural EOR. Responsible for emergency repairs and subsequent rehabilitation repair design. Following the discovery of a six-foot-long crack in the steel tie girder during a fracture critical inspection, performed an in-depth inspection of similar details, obtained material samples for laboratory testing, coordinated emergency repairs, oversaw repair installation, and prepared investigation report. Structural EOR in responsible charge of structural design for development of bridge rehabilitation plans for the twin, tied-arch structures. Provided construction period services.
07/19 – 07/22	DANZIGER LIFT SPAN BRIDGE, US 90, OVER THE INDUSTRIAL CANAL (MOVABLE BRIDGE) New Orleans, LA Project Manager and Structural Engineer of Record (EOR) in responsible charge of structural design overseeing the resolution of reported operational issues with the lift span. This work included an in-depth inspection of the lift span structural elements, lift bridge machinery, and electrical systems; and development of repairs to restore the bridge's long-term functionality and reliability. Oversaw the development of a monitoring plan and installation of a sensors that included the four trunnion bearings, and the creation of a web-accessible reporting platform to evaluate the bridge's operations. Assisted with development of plans and specifications to address emergency repairs including the installation of a polyester polymer concrete overlay on the orthotropic deck lift span, replacement of failed pinion bearings, elimination of lift span-to-approach span contact issues, and the improvement of the lift span seating by counterweight movements and air buffer repairs. Developed cost estimates for rehabilitation.
09/21 – 02/22	I-10/310 BONNET CARRÉ FIRE DAMAGE REPAIR St. Charles Parish, LA Project Manager. Responsible for overseeing the emergency inspection and load rating of the PPC girders, substructures, and bridge deck damaged by fire. Developed repair scope of work and estimated probable construction costs.
02/19 – 07/19	LAKE SHORE DRIVE BRIDGE OVER THE CHICAGO RIVER, GIRDER FRACTURE INVESTIGATION Chicago, IL Project Manager. Led the investigation, stabilization, and repair installation after the bridge experienced two girder fractures related to corrosion.
10/18 – 10/19	SUNSHINE BRIDGE OVER THE MISSISSIPPI RIVER St. James Parish, LA Project Manager and Structural EOR. Responsible for the development and implementation of a monitoring plan to provide information regarding redistribution of loads during the installation of repairs to the truss bottom compression chord damaged by impact. Structural Engineer of Record responsible for the structural design of the jacking system, review of member repair design, site observations, preparation of shop and jacking procedure drawings, and field technical assistance.
10/17 – 12/17	MATERIALS TESTING FOR LADOTD BRIDGES Metairie, Port Allen, and Baton Rouge, LA Project Manager. Responsible for materials testing projects including the removal of steel samples to determine material strength properties and chemical composition from the Causeway Boulevard Bridge over Earhart Expressway in Metairie and the removal of forty-five concrete cores from various bridge substructures from I-10 in Baton Rouge for testing and petrographic evaluation.
03/14 – 12/14	S. HALSTED STREET OVER THE LITTLE CALUMET RIVER Chicago, IL Project Advisor. Performed QA/QC for load ratings and gusset plate rehabilitation design to address live load rating concerns for this steel truss bridge.
09/13 – 09/13	GRAND AVENUE BASCULE BRIDGE Chicago, IL Project Engineer. Responsible for gusset plate condition assessment, load ratings, and preliminary retrofit development for members of this double leaf bascule bridge with inadequate live load capacity due to section loss.
02/11–06/11	LIFT-SPAN RAILWAY BRIDGE OVER THE MISSISSIPPI RIVER (MOVABLE BRIDGE) Midwest, U.S. Project Manager and Structural Engineer of Record (EOR). Responsible for assisting railroad client in determining the extent of damage and needed repairs to the lift span truss, track, and machinery after the structure was subjected to blast forces from adjacent construction. Requested to evaluate how the damage affected the structure's short- and long-term performance. The structural, mechanical and electrical site investigation included hand-on, arms-length, and visual inspections. Structural, mechanical, and electrical recommendations were then made to restore the lift span to its pre-blast condition.
04/10 – 04/11	HYLEBOS BRIDGE Tacoma, WA Project Engineer. Responsible for visual inspection of the double-leaf bascule bridge in preparation for rehabilitation.
03/08 – 06/09	I-5 COLUMBIA RIVER BRIDGE Portland, OR Project Engineer. Responsible for overseeing span balance and counterweight adjustments of lift span bridge. Documented number and location of concrete blocks, cored counterweights to determine voids, oversaw instrumentation of operating rope turnbuckles and pinion shafts, and inspected bearings and guide rollers.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	John Robert Williams, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	7	
TITLE	Principal	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	24	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1996 Engineering Science		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 0044300 LA 9/30/2026		
YEAR REGISTERED	2020	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	John has 31 years of experience and will serve as LEAD MECHANICAL ENGINEER responsible for task orders involving movable bridges. John meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 5			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
06/20 - 04/25	LYNN-SAUGUS BRIDGE REPLACEMENT Lynn, MA Movable Bridge Project Coordinator. Responsible for a new overhead counterweight bascule span bridge. Services encompassed mechanical and electrical construction work for the construction of this new Dutch-Style bascule span that is not commonly seen in the United States.			
03/22 - 12/24	PORTS OF TORONTO, SHIP CHANNEL BRIDGE REHABILITATION Toronto, ON, Canada Mechanical Engineer of Record in responsible charge for the mechanical design for the rehabilitation of historic Strauss bascule span. The scope of work included a scope inspection, rehabilitation design of complex span drive machinery, emergency response to a failure resulting in a bent shaft, design for temporary repairs including a temporary winch operating system used to implement repairs without undue impact to marine navigation.			
07/19 - 12/24	LIBERTY BRIDGE REHABILITATION Bay City, MI Lead Mechanical Engineer and Mechanical Engineer of Record in responsible charge for the mechanical design for rehabilitation of all machinery associated with movable span for double leaf trunnion bascule highway bridge.			
07/19 - 03/24	DANZIGER LIFT SPAN BRIDGE, US 90, OVER THE INDUSTRIAL CANAL New Orleans, LA Senior Mechanical Engineer. Responsible for the inspection of portions of the lift span contributing to reported operational issues, an in-depth inspection of the lift bridge machinery systems, and development of repairs to restore the bridge's long-term functionality and reliability. Assisted with the development of a unique monitoring and sensor installation plan, the installation of instrumentation and monitoring equipment, and the creation of a web-accessible reporting platform to evaluate the bridge's operations over an extended period. Lead the development of plans and specifications to address emergency failed pinion bearing repairs. Performed strain gage testing to measure span balance, implemented weight changes and air buffer repairs to improve seating of the span, and determined through testing that the span drive differentials on both towers were not functioning properly, requiring work with the manufacturer to properly adjust the associated clutches.			
07/19 - 01/24	MBTA BRIDGE NO. G-05-028, GLOUCESTER LINE OVER ANNISQUAM RIVER Gloucester, MA Movable Bridge Project Coordinator. Provided construction support services to the contractor throughout construction for work associated with the erection of the bascule leaves, balance calculations and testing and for the installation and alignment of all machinery. Project involved construction of a twin-single leaf railroad bascule. The first leaf was installed and raised within a four-day marine outage.			
07/20 - 01/20	ST. CLAUDE AVENUE BRIDGE CONSTRUCTION ENGINEERING SERVICES New Orleans, LA Project Manager and Senior Mechanical Engineer. Responsible for construction engineering services on an expedited basis to assist with the replacement of the second link pins which connect the counterweight truss to the balance link. Services included balance testing, design of the counterweight support system, development of a sequence of work for supporting the structure, unloading and removing the pins, completing the repairs and restoring the bridge to service within a marine navigation closure that was controlled by repairs to the adjacent lock. Mechanical engineering services were provided on an expedited basis due to the short time-period between the award of the project and the start of the marine navigation closure.			

10/14 - 07/19	ST. PETERS CANAL SWING BRIDGE REPLACEMENT Cape Breton, NS, Canada Project Manager and Engineer of Record in responsible charge for the mechanical design overseeing the mechanical and hydraulic machinery design for this new hydraulically operated center bearing swing bridge. Responsibilities included design and backchecking of design calculations, plans preparation and detailing, and preparation of contract specifications and construction cost estimates during design. Responsibilities during construction included coordination of a team of mechanical and electrical engineers and inspectors to review and approve construction submittals and provide complete shop and field inspection of all mechanical/electrical aspects of the rehabilitation project.
09/16 - 06/19	BRIGHTON ROAD SWING BRIDGE REPLACEMENT Ontario, Canada Project Manager and Engineer of Record in responsible charge for the mechanical design for mechanical and hydraulic machinery for new hydraulically operated center bearing swing bridge. Design responsibilities included finite element analysis of complex weldments and castings for the span drive cylinder brackets as part of the span drive machinery along with the center bearing, eccentric roller end lift machinery, balance wheel system and centering lock. Managed a team of engineers providing comprehensive construction services including shop drawing review, review of installation procedures, shop inspection, site inspection and witnessing and acceptance of commissioning.
07/14 - 02/18	BURLINGTON CANAL LIFT BRIDGE, HAMILTON ON, Canada Movable Bridge Construction Specialist and Heavy Machinery Specialist. Served as Specialist for the contractor as part of a major electrical and minor mechanical rehabilitation of this critical vertical lift bridge. The electrical scope of work included complete replacement of the electrical power and control systems for the bridge including an aerial cable installation and skew control of the lift span. The mechanical scope of work included replacement of the high-speed end of the span drive machinery (brakes, speed reducer, shaft, and couplings). The scope of work required the contractor's engineer to sign and seal all submittals including shop drawings.
03/10 - 11/17	SIR AMBROSE SHEA LIFT BRIDGE REPLACEMENT Placentia, NL, Canada Project Manager and Mechanical Engineer of Record in responsible charge for the mechanical design. Responsible for the design of span drive machinery, span lock machinery and span support machinery for a new tower drive lift bridge. Duties included preparation and review of all relevant calculations (sized motor, gear tooth strength calculations, sized brakes, shaft calculations for moment and torsion, sized couplings, designed machinery base plates, sized span lock bars, sized span lock and lockbar actuator, performed fatigue analysis of trunnion shaft, and sized trunnion bearings), and preparation of design drawings, specifications, and cost estimates as part of design. During construction, responsibilities included review of contractor's shop drawings and procedures for conformance to contract requirements, disposition of non-conformance reports, and responding to requests for information or changes.
04/03 - 06/17	FDOT DISTRICT 4 AND DISTRICT 5, ASSET MANAGEMENT BRIDGE INSPECTIONS FL Project Manager and Senior Mechanical Engineer. Responsible for mechanical inspections of 37 movable bridges in District 4 and 12 movable bridges in District 5 as part of the asset management program. Mechanical inspections of the movable spans are done annually and include a thorough visual inspection, measurements and calculation of gear wear and remaining tooth thickness, bearing clearance and alignment measurements, span lock clearance and alignment measurements, condition rating of all mechanical machinery and Pontis-style reporting. The firm is also on call for emergency inspections, post rehabilitation inspections, post repair inspections and miscellaneous design services.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)			
NAME	Robert Tosolt, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		7
TITLE	Principal		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		27
DEGREE(S) / YEARS / SPECIALIZATION			BS 1992 Mechanical Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE			PE No. 0035750 LA 03/31/2027		
YEAR REGISTERED	2010	DISCIPLINE	Civil Engineering		
Contract role(s) / brief description of responsibilities	Robert has 34 years of experience and will provide MECHANICAL ENGINEERING services responsible for task orders involving movable bridges. Robert meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 5				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.				
08/21 – Ongoing	BRIDGE S-32 REPLACEMENT ON RUMSON ROAD Monmouth County, NJ Movable Bridge Project Coordinator. Responsible for the construction of this new double leaf trunnion bascule bridge. Responsible for review, coordination and integration of the mechanical, electrical, and structural systems, review of all shop drawings for fit-up and constructability; shop inspection of critical components; field oversight during construction for critical assemblies; verification of final alignment of machinery; commissioning of the installed operating systems; strain gage operational testing to confirm satisfactory performance of the newly installed systems; and development of the Operations and Maintenance Manual.				
01/12 – Ongoing	NORFOLK SOUTHERN SYSTEMWIDE MOVABLE BRIDGE ON-CALL ENGINEERING SERVICES Project Manager and Team Leader. Responsible for assessment of mechanical and electrical operating systems on twenty-eight movable bridges over a four year period; field investigation of existing conditions, coordination with field personnel regarding maintenance practices, specialized testing including strain gage testing and/or hydraulic transducer operating load testing and electrical load testing, documentation of findings in detailed reports, prioritization of recommendations and repairs. Subsequently provided engineering for a wide range of projects including trunnion replacements on 2 vertical lift bridges, counterweight rope replacements on 4 vertical lift bridges, span drive machinery repairs on 2 vertical lift bridges, span drive machinery replacement on 2 bascule bridges, machinery repairs on 2 rolling lift bridges, center bearing replacement on a swing span, and numerous emergency repair callout services to resolve bridge operational problems.				
06/18 – 11/24	OHIO STREET VERTICAL LIFT BRIDGE Buffalo, NY Project Manager and Mechanical Engineer of Record (EOR). Responsible for the rehabilitation of this tower drive vertical lift bridge. Scope of work encompassed replacement of the counterweight ropes, removal of obsolete and abandoned machinery components, replacement of deteriorated span drive brakes, and repair of damaged Sawyer type barrier gates. Performed initial scoping study of mechanical systems on bridge to determine the status in terms of safety, reliability, and longevity of the mechanical systems. Prepared PS&E for rehabilitation work. Performed full construction support services including review of shop drawings and mechanical installation submittals, shop inspection, field inspection and oversight of field start-up and commissioning of the new systems.				
10/15 – 08/22	BARTER’S ISLAND SWING SPAN Boothbay, ME Project Manager and Mechanical Engineer of Record in responsible charge for mechanical design for this new bob-tail swing span encompassed provision of new span operating machinery, center support machinery and end support machinery. Responsible for design calculations and backchecking, selection and layout of new machinery, preparation of PS&E, and coordination with electrical and structural disciplines. Performed full construction support services including review of shop drawings and mechanical installation submittals, shop inspection, field inspection and oversight of field start-up and commissioning of the new systems.				
03/16 – 12/21	VERTICAL LIFT REHABILITATIONS AT FAIRPORT AND SPENCERPORT Fairport and Spencerport, NY Mechanical Engineer of Record. Responsible for the replacement of all operating and support mechanical machinery on this pair of vertical lift bridges over the Erie Canal. Responsible for all design calculations, selection and layout of new and/or rehabilitated machinery, preparation of separate PS&E for each bridge and coordination with electrical and structural disciplines. Machinery was designed to comply with the AASHTO LRFD Movable Bridge Design Specifications within the limitations of the existing site constraints. Provided full construction support services including shop drawing review, response to contractor RFIs and NCRs, confirmation of field installation alignment of machinery, and oversight of commissioning testing.				

03/16 – 09/21	MCON CONSTRUCT ASA MUNITIONS RAILHEAD Livorno, Italy Project Manager and Mechanical Engineer-of-Record. Responsible for the design of all mechanical operating and support machinery on new bobtail center bearing swing bridge designed to carry munitions into the secured storage area at this military base via rail. Responsibilities included design and backchecking of design calculations and preparation of PS&E, and coordination with electrical and structural disciplines.
03/18 – 02/20	CHARLES BERRY (ERIE AVE) - LORAIN 6 BASCULE BRIDGE REHABILITATION Lorain, OH Movable Bridge Project Coordinator. Responsible for the rehabilitation of the operating and support systems for this historic double leaf deck truss bascule bridge including complete replacement of the drive machinery and electrical power and controls control systems. Also served as responsible design engineer for a temporary hydraulic operating system. Services included review, coordination and integration of the mechanical, electrical, and structural systems, review of all shop drawings for fit-up and constructability; shop inspection of critical components; field oversight during construction for critical assemblies; verification of final alignment of machinery; shop and field acceptance testing of the electrical system installation, commissioning of the installed operating systems, strain gage operational testing and power recordings to confirm satisfactory performance of the newly installed systems, and development of the Operations and Maintenance Manual.
11/19	WEST LAROSE VERTICAL LIFT BRIDGE Lafourche Parish, LA Professional Engineer. Responsible for balance calculations and strain gage balance testing to document the final balance condition of the lift span at the completion of state project H.009479
04/10 – 04/14	COLUMBUS ROAD VERTICAL LIFT BRIDGE Cleveland, Ohio Project Manager and Mechanical Engineer-of-Record. Responsible for complete replacement of all mechanical operating, support and lock machinery on this span drive vertical lift bridge. Responsibilities included design and selection of machinery, preparation and backchecking of calculations, and preparation of PS&E. Responsibilities during construction included shop drawing review, procedure review, response to RFIs & NCRs, shop and field inspection of all mechanical machinery fabricated and installed for the project, and commissioning of the mechanical systems.
12/06 – 04/13	COURT STREET SWING SPAN Hackensack, New Jersey Project Manager and Mechanical Engineer-of-Record. Responsible for complete replacement of all mechanical operating and support machinery on this center bearing swing span. Responsibilities included design and selection of machinery, preparation and backchecking of calculations, and preparation of PS&E. Responsibilities during construction included shop drawing review, procedure review, response to RFIs & NCRs, shop and field inspection of all mechanical machinery fabricated and installed for the project, and commissioning of the mechanical systems.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)			
NAME	Gareth Thomas Rees, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		6
TITLE	Principal		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		52
DEGREE(S) / YEARS / SPECIALIZATION			College Associateship Electrical Engineering (BS equivalent) 1968 Electrical Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE			PE No. 0040754 LA 9/30/2026		
YEAR REGISTERED	2016	DISCIPLINE	Civil Engineering		
Contract role(s) / brief description of responsibilities	Gareth has 50+ years of experience and will serve as LEAD ELECTRICAL ENGINEER responsible for task orders involving movable bridges. Gareth meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 6				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.				
07/19 - 03/24	DANZIGER LIFT SPAN BRIDGE New Orleans, LA Lead Electrical Engineer. Responsible for the inspection of relevant portions of the main lift span contributing to reported operational issues, an in-depth inspection of the lift bridge machinery and electrical systems, and development of repairs to restore the long-term functionality and reliability of the bridge. Prepared a new lift span skew control system design after the existing Selsyn components were removed from the bridge. Developed electrical controls for transverse skew elimination clutches with the span drive differentials, and provided recommendations for rehabilitation of the bridge including development of a cost estimate.				
04/19 - 12/25	INDEPENDENCE AND LIBERTY BASCULE BRIDGES Bay City, MI Electrical Engineer of Record. Responsible for the design and construction services for the rehabilitation and upgrades to these two double leaf bascule bridges as part of a P3 project and their conversion for toll operation.				
03/20 - Ongoing	SKEW DETECTION SYSTEM STUDY FOR VERTICAL LIFT BRIDGES LA Principal Investigator. Responsible to review alternatives for skew control, monitoring, and indication for tower drive vertical lift bridges based on effective management of skew using conventional relay logic and minimizing the use of advanced electronic equipment. The study included a literature review, interviews with current owners and maintainers of vertical lift bridges, and interviews with industry control specialists experienced in skew control systems. As a result of the study, a preferred system of skew control that combines direct skew measurement with an inclinometer and lasers for skew monitoring and trip indication, with indirect measurement of skew using encoders for controlling skew during operation was recommended. To minimize maintenance, mean-time-to-repair, and to limit dependency on PLC systems, it was recommended that control integration be achieved using SMART relays (that contain self-diagnostics) and that may easily be replaced in the event of an issue. In a subsequent phase of the project, WJE was later tasked to design and manage the implementation of the new skew control technology and deployed it at one of DOTD bridges as a pilot project for evaluation, prior to acceptance and deployment statewide.				
03/18 - 02/20	CHARLES BERRY (ERIE AVE) - LORAIN 6 BASCULE BRIDGE REHABILITATION Lorain, OH Movable Bridge Project Coordinator. Responsible for the rehabilitation of the operating and support systems for this historic double leaf deck truss bascule bridge including complete replacement of the drive machinery and electrical power and controls control systems. Services included review, coordination and integration of the mechanical, electrical, and structural systems, review of all shop drawings for fit-up and constructability; shop inspection of critical components; field oversight during construction for critical assemblies; verification of final alignment of machinery; shop and field acceptance testing of the electrical system installation, commissioning of the installed operating systems, strain gage operational testing and power recordings to confirm satisfactory performance of the newly installed systems, and development of the Operations and Maintenance Manual.				

04/13 – 10/19	BNSF FORT MADISON TOLL BRIDGE Fort Madison, IA Electrical Engineer of Record and Project Manager. Responsible for the rehabilitation of this double-decker railroad and highway swing span bridge. The rehabilitation design and implementation were performed in phases to satisfy marine, railroad, and highway traffic operations as well as Coast Guard and emergency services with respect to bridge operating outages. The first phase was the design of a new aerial and submarine electric service installation; the new installation was configured as redundant power sources. The design of the submarine cable installation included surveying of the existing submarine cable routing, and designing and specifying the cable. The work also included excavation requirements and developing an approved trenching system under the Mississippi. The second phase of the project involved the design and installation of replacement span drives, motors and brakes and extensive modifications to the bridge control system. This second phase was necessary to provide bridge operating flexibility and enhance reliability. Construction services were also performed.
06/18 – 06/20	BNSF SLOUGH RIVER BRIDGE 8.8 Portland, OR Electrical Engineer of Record. Responsible for electrical design, construction and commissioning of the electrical operating systems and integration of the new design into the existing railroad operating network. Work consisted of replacement and upgrade of aging electrical systems to provide reliable electrical operating systems. Design additions to the electric service include construction of a new electric service compound containing a standby generator and automatic transfer switch, a new submarine cable installation and a new power slip ring arrangement at the center bearing to transition power between the pivot pier and the moving structure. The project included replacement of the bridge drive and control system, which included the replacement of the existing main drive motors and addition of variable frequency drives. The replaced system now enables the bridge to be operated at variable speeds with torque control and dynamic braking. The existing relay logic and operator's control console replacements consisted of a modern programmable logic controller with built-in SCADA and diagnostic functionality, and a streamlined operator's control station with an HMI providing status, alarm, and control functionality. The installation work involved staged construction and relocation of the bridge railroad interlocking signal and dispatcher control board to maintain railroad operation throughout the replacement work.
12/14 – 01/17	BURLINGTON CANAL LIFT BRIDGE Burlington, Ontario, Canada Lead Electrical Engineer. Provided construction support services to the contractor for the replacement of all power systems control systems and an aerial cable replacement for this critical vertical lift bridge. Work included review of all shop drawings, coordination and resolution of design issues, and start up and commissioning of the bridge.
03/12 – 11/16	SIR AMBROSE SHEA LIFT BRIDGE Placentia, NL, Canada Electrical Engineer of Record. Responsible for the design of a replacement tower drive vertical lift bridge with two duty motors and brakes in each tower and two sets of span locks. The bridge operator's control house is located at roadway level and remote from the bridge with CCTV surveillance and fiber optic communications to the towers. The PLC-based control system was designed with hot standby redundant PLC's, a human machine interface (HMI), and control console and a redundant fiber optic communications transmission backbone. The electric services for the bridge are distributed via state-of-the-art intelligent MCC's in each of the bridge towers with internal communications capabilities that interface directly with the bridge control system PLC for bridge operation, drive monitoring, and data acquisition.
06/14 – 06/19	EAST ROUNDBUNCH ROAD OVER COW BAYOU Orange County, TX Lead Electrical Engineer. Responsible for designing new drives, controls, and field devices for the bridge span drive machinery and the end wedge machinery as part of a rehabilitation of this historic structure to provide long-term reliable service. Span drive machinery was comprised of components with a proven history of utilization on movable bridges and was powered by a variable frequency drive and inverter rated squirrel cage motors. The design included integration of bridge highway and marine new traffic control, bridge and maintenance lighting, and a CCTV system.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Yang Zheng, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	6	
TITLE	Principal	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	11	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2006 Electrical and Computer Engineering; MS 2009 Electrical Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 0050841 LA 09/30/2027		
YEAR REGISTERED	2021	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Yang has 17 years of experience and will provide ELECTRICAL ENGINEERING services responsible for task orders involving movable bridges. Yang meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 6			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
12/25 - Ongoing	AERIAL POWER AND COMMUNICATIONS CABLE REROUTING – CENTER STREET BRIDGE Cleveland, OH Electrical Engineer of Record. WJE is responsible for evaluating the feasibility of replacing all control and communications cables from the west to the east side of the Cuyahoga River. Mr. Zheng is the Electrical Engineer of Record in responsible charge of electrical design for the replacement of the control and communication cabling for the Center Street Bridge.			
02/24 - Ongoing	WALK BRIDGE REPLACEMENT Norwalk, CT Electrical Engineer. WJE is serving as the movable bridge project coordinator and Mr. Zheng is assisting the electrical project coordinator. His responsibilities in that role include assisting with coordinating with the Contractor, Electrical Contractor and suppliers in developing their submittals and designs. He is reviewing submittals as well as evaluating requests for information for the power system, control system, and communications system. He will assist in coordinating the preconstruction (submittal) phase, construction phase and the testing and commissioning phase as the project progresses.			
12/21 - Ongoing	JEFFERSON ST. BASCULE BRIDGE REHABILITATION Joliet, IL Electrical Engineer of Record. Mr. Zheng is the Electrical Engineer of Record in responsible charge for electrical design for the electrical system rehabilitation of this rolling Scherzer lift bridge over the Des Plaines River.			
01/19 - Ongoing	NEW YORK STATE MOVABLE BRIDGE INSPECTIONS Statewide, NY Senior Electrical Engineer. Responsible for multi-year inspection contract with NY State. The project includes the in-depth electrical and mechanical inspection of 35 movable bridges in New York State. Bridge types include bascule, vertical lift (including towerless vertical lift), and swing. Electrical work includes visual inspection, recording of electrical operating parameters, interlock testing, and preparation of comprehensive reports. Mr. Zheng has led the electrical efforts and has also performed troubleshooting and resolution of electrical issues found during the inspections.			
07/19 - 03/24	DANZIGER LIFT BRIDGE New Orleans, LA Electrical Engineer of Record. Responsible for design following inspection of relevant portions of the main lift span contributing to reported operational issues, an in-depth inspection of the lift bridge machinery and electrical systems, and development of repairs to restore the long-term functionality and reliability of the bridge. Prepared a new lift span skew control system design after the existing Selsyn components were removed from the bridge. Developed electrical controls for transverse skew elimination clutches with the span drive differentials and provided recommendations for rehabilitation of the bridge including development of a cost estimate.			
06/18 – 06/19	SLOUGH RIVER BRIDGE 8.8 ELECTRICAL REHABILITATION AND UPGRADES Portland, OR Electrical Engineer. Responsible for the replacement and upgrade of the aging electrical systems to provide reliable electrical operating systems for at least 30 years with minimal maintenance. Design changes and additions to the electric service include construction of a new electric service compound containing a standby generator and automatic transfer switch, a new submarine cable installation and a new power slip ring arrangement at the center bearing to transition power between the pivot pier and the moving structure. The bridge drive and control system design replaces existing main drive motors with variable frequency drives and squirrel cage induction motors. This combination has the capability of operating the bridge at infinitely variable speeds with torque control and dynamic braking. The existing relay logic and operator's control console replacement consists of a modern programmable logic controller with built-in SCADA and diagnostic functionality, and a streamlined operator's control station with an HMI providing status, alarm, and control functionality.			

2015 - 2019	LASALLE CAUSEWAY BASCULE BRIDGE Kingston, Ontario, CA Electrical Engineer/Team Leader. Responsible for the 2015, 2016, and 2018 annual Comprehensive Detailed Inspection (CDI) of the 1917 single leaf Strauss heel trunnion bascule bridge's machinery systems, the bridge utility service, and the power and control systems. Work included detailed visual inspection of the incoming electric utility service, bridge power and control systems, field feedback devices, navigation lighting as well as traffic control equipment and bridge operation. As an integrated part of the inspections, electrical testing included insulation resistance testing and taking and analyzing bridge electrical operating parameter recordings to determine performance and life expectancy of the bridge.
12/14 - 01/18	BURLINGTON LIFT BRIDGE St. Catherines, Ontario, CA Lead Electrical Engineer. Provided construction support services to the contractor for the replacement of all power systems control systems and an aerial cable replacement for this critical vertical lift bridge. Work included review of all shop drawings, coordination of design issues, and start up and commissioning of the bridge.
03/10 - 11/17	SIR AMBROSE SHEA LIFT BRIDGE Placentia, Newfoundland and Labrador, CA Electrical Engineer. Provided electrical engineering design services for electrical power and control systems associated with new tower drive-lift bridge. The design also included pedestrian, vehicular and marine traffic control. All traffic control equipment was designed to ensure reliable operation of the bridge and minimize the down time in the event of failure. All traffic control equipment was designed in accordance with MUTCDC, AASHTO, Coast Guard requirements, and Safety codes.
02/13 - 12/16	HAYSTACK LANDING BRIDGE, SONOMA-MARIN AREA RAPID TRANSIT (SMART) Petaluma, CA Lead Electrical Engineer. Mr. Zheng's role was Lead Electrical Engineer for the relocation, rehabilitation and installation of a vintage 1903 bascule type bridge. SMART is part of the airport railway line project linking San Rafael with the Sonoma Airport. Mr. Zheng was responsible for the evaluation of the structure and development of new power service and distribution system, control system (including train control interlocks), networking communications systems and lighting. Mr. Zheng developed coordinated design documents presenting a staged construction sequence to support the fast-paced construction schedule.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Leonard L. Phelps	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	42	
TITLE	Supervisor	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	8	
DEGREE(S) / YEARS / SPECIALIZATION		MS 1991 Chemistry; BS 1979 Biology; BA 1979 Chemistry		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Certification ID# 2021-014-012 SSPC/AMPP Certified Protective Coatings Specialist 12/31/2029		
YEAR REGISTERED	2021	DISCIPLINE		
Contract role(s) / brief description of responsibilities	Leonard has five decades of experience with bridge inspections and will serve as the PRIMARY COATING INSPECTOR .			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
05/26 - Ongoing	U.S. 24 RED CLIFF ARCH BRIDGE Red Cliff, CO Project Advisor. The historic steel arch bridge built in 1941 spans more than 470 feet over a 200-foot-deep gorge. Project Advisor for the superstructure coating assessment to assess the overall condition of the existing coating system with particular emphasis on 2010 repairs made to address the failed intermediate coat. Assessment will include visual, adhesion, and coating thickness measurements and deliverables will provide recommendations that distinguish between the various coating conditions on the bridge to achieve a coating system that achieves 25-35 years of service life.			
04/26 - Ongoing	STEEL BRIDGES SUPPORTING RAIL EXTENSION IL Project Advisor. The rail extension includes multiple steel rail bridges, a steel vehicular bridge, and ancillary steel structures. These steel structures include partially coated weathering steel, galvanized steel, metallized steel, and duplex-coated steel, depending on their exposure and owner requirements. Developed specifications for painting of galvanized steel elements; reviewed specifications for metallizing, painting of metallized steel, and painting of weathering steel; and advised on paint system selection.			
08/25	LIVINGSTON AVENUE BRIDGE REPLACEMENT Albany, NY Project Advisor. Responsible for developing a coating system for bolted connections and assisting with constructability reviews.			
11/24 - 03/25	IAMS HILL ROAD OVER TENMILE CREEK, TRUSS BRIDGE STEEL EVALUATION Marianna, PA Lead Chemist. WJE technicians extracted four samples from the superstructure and performed metallographic and chemical analyses to evaluate the steel properties and whether metallizing or galvanizing the steel was feasible. Tensile testing to determine the yield strength and ultimate strength of the samples was also performed. Lead Chemist responsible for assessing the viability of galvanizing and metallizing the bridge elements represented by the samples and providing guidance on the application of a coating system.			
02/25	REHABILITATION OF I-80/94, INDIANA TOLL ROAD, STRUCTURE 1A-1 Hammond, IN Project Advisor. During the construction, reviewed submittal documents and advised on coating applications and limitations for low temperature applications as part of a new multi-coat paint system and installation of structural steel repairs.			
05/22 - 10/22	LOS ALAMOS CANYON BRIDGE Los Alamos, NM Lead Chemist. As the Lead Chemist, advised on bridge coating repair, which included coating assessment and coating repair specification development.			
08/21	I-255 JEFFERSON BARRACKS BRIDGE OVER THE MISSISSIPPI RIVER, EMERGENCY REPAIRS Mehlville, MO Lead Chemist. The twin structures' main span consists of a 910-ft long tied-arch with a steel box arch and a 12-foot-deep steel I-shaped tie girder. WJE completed bridge rehabilitation plans for both structures with construction ongoing. As Lead Chemist, assisted with bridge cable specification development and guidance regarding metallizing of the hanger cables that had experienced corrosion in the splash zone. The specification included trial testing to determine the proper blast media to prepare the surface without substantially removing the existing galvanized coating.			
05/19 - 09/20	I-265, LEWIS AND CLARK BRIDGE, EAST END CROSSING P3 PROJECT Prospect, KY and Utica, IN Project Advisor. Twin-tower, cable-stayed bridge that spans the Ohio River. Investigated a coating peeling failure of the cable-stayed anchorages. Developed a protocol to remove poorly bonded existing coating and retain well-bonded existing coatings. Observed mock-up implementation of protocol and augmented procedures.			

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Curtis J. Schroeder, PhD, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	7	
TITLE	Supervisor	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	8	
DEGREE(S) / YEARS / SPECIALIZATION		PhD 2018 Civil Engineering; MS 2011 Civil Engineering; BS 2009 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		SE No. 081.008638 IL 11/2026; PE No. 44013 WI 07/2026		
YEAR REGISTERED	SE 2021 PE 2015	DISCIPLINE	Structural Engineering; Civil Engineering NHI 130078 - Fracture Critical Inspection Techniques of Steel Bridges; NHI 130055 - Safety Inspection of In-Service Bridges (& Refresher 130053); AWS Certified Welding Inspector; NDT Ultrasonic Technician - Level II; NDT Magnetic Particle Testing - Level II	
Contract role(s) / brief description of responsibilities	Curtis will perform STRUCTURAL ENGINEERING INCLUDING BRIDGE INSPECTIONS; NONDESTRUCTIVE TESTING , focused on ultrasonic testing (UT), phased array UT (PAUT), and magnetic particle testing (MT); sampling, load rating; and welding procedure evaluations for this contract.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.			
11/24 - Ongoing	UT OF BRIDGE PINS AND HANGERS, NINE STRUCTURES LA Project Engineer. Responsible for visual and ultrasonic inspection of bridge pins and hangers, characterizing and documenting conditions of section loss, cracking, or other forms of distress.			
11/21 - Ongoing	SUSQUEHANNA RIVER RAILROAD BRIDGE Havre de Grace, MD Project Engineer. Assisted with UT and PAUT inspection of 45 pinned connections of deck truss railroad bridge with known defect indications. In 2024, assisted with limited, in-depth UT surveys on 70 transfer pins. In 2025, another 63 pin connectors were examined for which the analysis and reporting are ongoing.			
10/24 - Ongoing	CHICAGO SKYWAY, STONY ISLAND ANCHOR BOLT INSPECTION AND ANALYSIS Chicago, IL Project Manager and Team Leader for the project, which included a load rating inspection, anchor bolt inspection, load rating of the steel superstructures and steel substructures, and structural analysis of the anchor bolts at the Chicago Skyway Stony Island Avenue Ramp structures. Repair work resulting from the findings is ongoing. The structures consist of multiple units to carry two ramps over various local streets, the Norfolk Southern Railroad, and, for one of the ramps, the mainline of the Chicago Skyway. Led the visual inspection of all steel members and components and performed ultrasonic testing and field hardness testing on the anchor bolts. Section loss documentation was performed using physical measurement and/or ultrasonic testing.			
04/21 - Ongoing	HAWTHORNE BRIDGE Portland, OR Project Engineer. Assisting with UT and wet fluorescent MT inspection of vertical lift bridge trunnions, including through-bore examinations. In 2024, performed follow-up MT on observed cracking, which WJE repaired in 2025.			
03/23 - Ongoing	T-1 STEEL WELD INSPECTIONS ON FOUR BRIDGES MO Project Engineer/QA. Training, testing, and QA for UT of T-1 steel welds on four bridges. Calibration of paint effects on UT scans; repairs of rejectable welds.			
12/22 - 08/25	T-1 STEEL WELD ASSESSMENT LA Training, testing, and QA for UT of T-1 steel welds on three bridges; reviewed phased array ultrasonic testing (PAUT) scan results for characterization of rejectable welds; calibration of paint effects on UT scans; repairs of rejectable welds.			
01/23 - 06/24	I-57 OVER MISSISSIPPI RIVER Cairo, IL Project Manager for UT inspection of weld splices in nonredundant steel tension truss members fabricated with ASTM A517 (T-1) steel; located welds by eddy current testing; developed alternative UT procedures to inspect welds within the bolted gusset plate connections; and performed UT inspection.			
10/23 - 01/24	FALL 2023 PIN INSPECTIONS IN Project Manager for ultrasonic testing (UT) project to evaluate the fitness for service of the steel pins and associated hanger components or pinned connections on six bridges.			
06/19 - 09/22	COLE-PARKER PEDESTRIAN BRIDGE Fort Wayne, IN Project Engineer assisted with UT and PAUT inspection of complete joint penetration welds, review of repair design calculations, load rating, and visual, MT, and UT inspection of repairs for cable stay bridge.			

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)			
NAME	Nathaniel S. Rende, SE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		21
TITLE	Principal		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		0
DEGREE(S) / YEARS / SPECIALIZATION			MS 2005 Structural Engineering; BS 2004 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE			SE No. 081-007243 IL 11/2026; PE No. 22184 IA 12/2027		
YEAR REGISTERED	SE 2012 PE 2014	DISCIPLINE	Structural Engineering; Civil Engineering		
Contract role(s) / brief description of responsibilities	Nathaniel will conduct NON-DESTRUCTIVE TESTING of structural elements to evaluate as-built conditions, material properties, distress and deterioration, and estimation of concrete strength. He will provide non-destructive testing services utilizing ground penetrating radar (GPR), ultrasonic methods (UPV, impact-echo, shearwave tomography), impulse-response, infrared thermography, steel UT, and corrosion potential. Nathaniel will also develop and implement structural instrumentation and monitoring plans and will analyze and interpret structural monitoring data.				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "Designed drainage", "designed girders", "designed intersection", etc.				
01/11 – Ongoing	PREQUALIFIED MONITORING CONSULTANT Iowa DOT IA Project Engineer. Completed over 60 projects involving the development and implementation of instrumentation/monitoring plans designed to protect buildings, culverts, sewers, and bridges adjacent to major bridge and road demolition and reconstruction projects. Instrumentation includes vibration, displacement, strain, subsurface displacement (inclinometer), and tilt monitoring. Provided blast demolition consulting services, including vibration attenuation analysis, on several recent projects.				
10/24 – Ongoing	US-30 BRIDGE INSTRUMENTATION AND MONITORING IA Project Manager. Responsible for instrumentation and monitoring services during five bridge repair and staged replacement projects (various contractors) along US-30 in Story County and Clinton County, Iowa. Services included preconstruction condition evaluation and documentation of existing bridges; analytical modeling of existing bridges to evaluate tilt and displacement limits during staged replacement; development of instrumentation and monitoring plans and protocols; design and installation of monitoring systems to measure tilt, vibration, and displacement of piers and abutments; real-time monitoring and alerting during adjacent demolition and construction; and analysis and interpretation of monitoring data.				
11/24 – 03/25	IAMS HILL ROAD OVER TENMILE CREEK, TRUSS BRIDGE STEEL EVALUATION Marianna, PA Project Manager. Responsible for project to extract steel samples from various superstructure members and perform laboratory testing of the samples. Metallographic and chemical analyses were performed to evaluate the type of steel and to assess whether metalizing or galvanizing the metals was feasible. Tensile testing to determine the yield strength and ultimate strength of the samples was performed to aid in analysis and design of repairs. Responsible for providing guidance on the options and application of coating systems.				
03/20 – 01/25	O'HARE AIRPORT UNITED BAGGAGE HANDLING POST-TENSIONED ROOF STRUCTURE Chicago, IL Project Manager. Responsible for the evaluation of a post-tensioned (PT) roof structure supporting aircraft loading of active taxiway and gate areas. The evaluation consisted of visual inspection; nondestructive testing to determine as-built reinforcing and PT system details using ground-penetrating radar; grout void detection using shearwave tomography (MIRA); corrosion evaluation using half-cell potential mapping; inspection openings of bonded and grouted PT systems; and material sampling and laboratory testing. Evaluated equivalent in-situ compressive strength of concrete columns using ultrasonic pulse velocity (UPV), core sampling and statistical analysis of compressive strength test results per ACI 214. Condition evaluation data was used to analyze the roof structure per both building and bridge codes and to design retrofit repairs for increased aircraft loading. Structural Engineer-of-Record for design-build repair and shear strengthening of columns supporting the roof structure, providing design drawings and specifications, permitting calculations, and inspection and quality assurance testing of repairs through completion. Repairs primarily consisted of partial-depth concrete replacement, epoxy-injection of cracks, and installation of carbon-fiber-reinforced polymer (CFRP) strengthening systems.				
02/18 – 11/18	PERFORMANCE EVALUATION OF IMPROVEMENTS OF BRIDGE ABUTMENTS AND APPROACH BACKFILL Iowa DOT IA Project Engineer. Evaluated the effectiveness of the current approach to slab design standards in mitigating deterioration and settlement of bridge approaches. Fieldwork consisted of visual condition assessment of approach slabs and abutments and investigation of approach slab settlement using nondestructive testing and surveying methods. Voiding beneath approach slab systems and as-built reinforcing were evaluated using GPR. Recommended improvements to bridge approach design and construction to prevent observed deterioration mechanisms.				

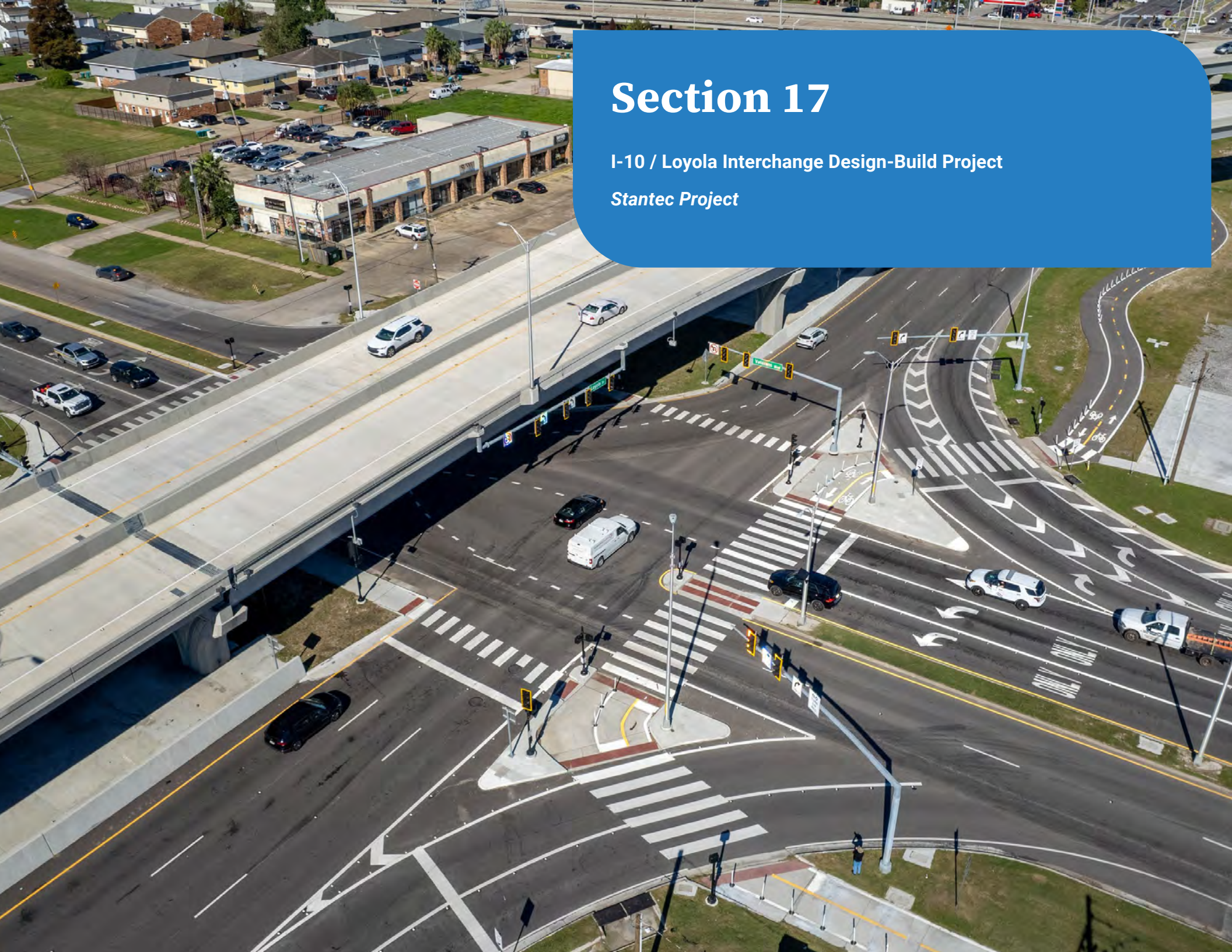
FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)			
NAME	Deborah Slaton, MA		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		41
TITLE	Principal		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		3
DEGREE(S) / YEARS / SPECIALIZATION			MA 1982 Structures Option and Architectural History; MA 1976 English; BA 1975 Art and Art History		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE			N/A		
YEAR REGISTERED	N/A	DISCIPLINE	Served on Board of the Historic Preservation Education Foundation; member of Society of Architectural Historians (SAH) Heritage Conservation Committee (through 2025); member of the APT College of Fellows and serve on three APT technical committees (Materials, Modern Heritage, and Sustainable Preservation); Served on the Board on Infrastructure and the Constructed Environment, National Research Council, National Academy of Sciences (2009-2012)		
Contract role(s) / brief description of responsibilities	Deborah has 44 years of experience in standing structures and assessment of the built environment. She has special expertise in historic preservation and meets the Secretary of Interior’s Qualifications for historic preservation, including specific qualifications for history, architectural history, and historic architecture. Deborah meets the following Minimum Personnel Requirements (MPRs) as specified in the advertisement for this project: 13				
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc.				
08/08 – Ongoing	EVERGLADES NATIONAL PARK National Park Service (NPS) World Heritage Site FL Coauthor of Cultural Landscape Inventories; lead investigator/principal author of Historic Structures Reports for multiple structures; coauthor of draft National Register nomination. (NOTE: For Historic Structure Reports described herein, conducted archival research, participated in field work, prepared significance assessment, led/participated in assessment, and developed treatment recommendations and schematic repair details in accordance with Secretary of the Interior’s Standards, as well as preparation of Historic American Building Survey-level documentation for historic structures.)				
05/18 – Ongoing	SAN JUAN NATIONAL HISTORIC SITE National Park Service (NPS) World Heritage Site San Juan, PR Project Manager/Coauthor of Historic Structure Reports and Cultural Landscape Reports for multiple structures and historic fortifications; Preservation Advisor for repairs for El Morro Lighthouse.				
12/23 – Ongoing	CLARENCE DARROW BRIDGE Jackson Park, Chicago, IL Preservation Advisor and principal author of assessment report.				
04/20 – Ongoing	TIMUCUAN ECOLOGICAL AND HISTORIC PRESERVE National Park Service (NPS) FL Project Manager/Lead Author for National Register nomination for Kingsley Plantation; project manager and coauthor of Historic Structures Reports for the Kingsley Plantation tabby slave cabins and barn, Cedar Point ruins, , and Spanish-American War-era concrete battery, and Cultural Landscape Report and Environmental Assessment for Spanish American War Battery.				
05/20 – Ongoing	CHADWELL GAP COAL COMPANY SITE, CUMBERLAND GAP NATIONAL HISTORIC SITE National Park Service (NPS) TN Lead Author for National Register Determination of Eligibility; coauthor of Cultural Landscape Report; preservation advisor for assessment and treatment recommendations (in progress).				
08/24 – Ongoing	PROMONTORY POINT AND MORGAN SHOAL REVETMENTS, BURNHAM PARK Chicago, IL Preservation Consultant responsible for assessment of historic revetments on Lake Michigan shoreline.				
05/14 – Ongoing	FORT PICKENS UNIT AND PENSACOLA HARBOR DEFENSE PROJECT National Park Service (NPS) Gulf Islands National Seashore, FL Project Manager/Lead Author for National Register nomination and Historic Structure Reports for multiple historic military structures; coauthor of Cultural Landscape Report and Cultural Landscape Inventory.				
07/12 – Ongoing	FORT PULASKI NATIONAL MONUMENT National Park Service (NPS) Savannah, GA Project Manager/Coauthor of Historic Structures Reports for multiple structures; lead author for National Register nomination update; Preservation Advisor for Structural Monitoring Study (in progress).				

10/23 – 2025	UNIVERSITY OF MISSISSIPPI MEDICAL CENTER Jackson, MS Project Historian/Conservator and Principal Author. Provided Historic Structures Survey and historic preservation compliance documentation.
09/20 – 2023	GRAND COULEE DAM AND HUNGRY HORSE DAM U.S. Bureau of Reclamation) WA and MT Project Conservator; coauthor and preservation advisor for Historic Structure Reports for historic dam complexes.
05/20 – 10/22	BOTTLE GARDEN, OAKLAND PLANTATION, CANE RIVER CREOLE NATIONAL HISTORICAL PARK National Park Service (NPS) Natchitoches, LA Project Historian/Conservator and coauthor of Cultural Landscape Report.
12/13 – 09/21	COW BAYOU SWING BRIDGE Orangefield, TX Preservation advisor for assessment of the historic bridge.
05/14 – 07/19	HORSESHOE BEND NATIONAL MILITARY PARK National Park Service (NPS) Horseshoe Bend, AL Project Manager/Historian/Conservator for Historic Resource Study; lead author for National Register nomination and assessment report for Miller Bridge piers (historic ruins).
08/17 – 06/19	FORKS-OF-THE-ROAD BRIDGE, NATCHEZ NATIONAL HISTORICAL PARK National Park Service (NPS) Natchez, MS Project Manager and coauthor of Historic Structure Report for historic masonry bridge.
12/15 – 05/17	MIAMI MARINE STADIUM Miami, FL Preservation Advisor and coauthor of investigative report, including treatment recommendations for repair and cleaning of modern historic concrete structure.
07/12 – 04/16	BLUE RIDGE PARKWAY National Park Service (NPS) NC and VA Project Manager and coauthor of Historic Resource Survey and Assessment for buildings, structures, bridges, and tunnels; Cultural Landscape Reports for multiple properties and sites; National Register nomination; and Cultural Landscape Inventory. <i>(NOTE: For Cultural Landscape Reports described herein, conducted archival research, participated in field work, prepared significance assessment, led evaluation of built features, and developed treatment recommendations in accordance with Secretary of the Interior's Standards.)</i>
07/05 – 08/08	MEMORIAL PLAZA, HOOVER DAM U.S. Bureau of Reclamation NV Preservation Advisor and coauthor of assessment report including treatment recommendations.
04/05 – 07/08	BYNUM ISLAND BRIDGE Chicago, IL Preservation Advisor for assessment and development of repairs.
12/87 – 03/93	COLORADO STREET BRIDGE Pasadena, CA Author of Historic American Engineering Record documentation.
1995 – Ongoing	Authored/coauthored numerous papers and two NPS preservation briefs; edited several conference proceedings; presented at many conferences on historic preservation topics, including Transportation Research Board Committee ADC50 on Historic and Archaeological Preservation in Transportation meeting on application of preservation standards to historic bridges (2008); at Association for Preservation Technology International (APT) symposia on modernism on assessment and preservation of modern materials (2015, 2019); APT workshops on historic concrete and other materials (most recently, 2024); and others. Co-chair of Preserving the Recent Past conference series (1995–present).

Section 17

I-10 / Loyola Interchange Design-Build Project

Stantec Project



17. Firm Experience:

FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Bridge
PROJECT NAME	RETAINER CONTRACT FOR BRIDGE PRESERVATION		FIRM RESPONSIBILITY (prime or sub?)	Prime
PROJECT NUMBER	4400002536	OWNER'S NAME	Louisiana Department of Transportation and Development	
PROJECT LOCATION	Shreveport, Louisiana		OWNER'S PROJECT MANAGER	Mark Bucci, PE
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access, Baton Rouge, LA 70808 225-379-1076 mark.bucci@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	09/12	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$6,056
SERVICES COMPLETED BY THIS FIRM (MM/YY)	09/17	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$4,323

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

Stantec performed a wide variety of services on multiple contracts for LADOTD.

Services included bridge inspections, bridge rehabilitation, new roadway alignment construction, lighting and utility design services, new bridge construction, construction support services, and bridge load rating analyses. Stantec was responsible for managing all services throughout the contract period. Below are a few of the task orders:

US 90: Ramp Improvements / New Orleans, LA (New/Widening - Concrete): New bridge construction to improve the on-ramp and add an additional travel lane to US 90 Business. Stantec developed preliminary plans, final plans, and a traffic management plan (level 4) and was responsible for providing construction support. The bridge consists of prestressed concrete quad beams and concrete slab spans founded on pile bents.

LA 3064: Essen Lane Bridge Widening / Baton Rouge, LA (Rehab/Widening - Concrete): Developed preliminary and final bridge plans to widen the existing bridge over Ward Creek to add travel lanes. The bridge consists of concrete slab spans and pile bents. During construction, Stantec was responsible for providing support services and managing utility relocations along the corridor.

LA 511: Jimmie Davis Bridge Rehabilitation / Bossier Parish, LA (Rehab/Repair - Truss): A "fast-track" design schedule of 5 months was agreed on to complete final plans for the rehabilitation of an existing 16-span structure that is approximately 2,800-ft long. The structure consists of three main steel truss spans and approach spans composed of multiple three-span continuous steel deck girder spans and 70-ft simple spans. Rehabilitation efforts include replacing the bridge deck, repairing joints and structural members, modifying truss expansion bearings, and cleaning and painting the steel components.

I-10: Calcasieu River Bridge & Approaches / Calcasieu Parish, LA (Navigational Study): Stantec was responsible for evaluating a proposed bridge crossing over the Calcasieu River by identifying current and future navigational needs to assess the sufficiency of proposed horizontal and vertical clearances.

I-210: Cove Lane Extension & Interchange / Lake Charles, LA (New Construction - Concrete): Stantec was responsible for providing construction support including attending regular progress meetings, reviewing shop drawings, and answering contractor requests for information for the new crossing of Cove Lane with the first LG bridge span in the state at that time.

I-10: Bridge Preventive Maintenance / Iberville & St. Martin Parishes, LA (Rehab/Repair - Concrete & Steel): Stantec was responsible for developing bridge repair and rehabilitation plans, including maintenance of traffic plans, for 19 bridges along the I-10 corridor over the Atchafalaya Floodway Basin between Henderson, LA and Grosse Tete, LA. The bridge structure types consist of prestressed concrete and structural steel girder spans. An assessment was performed prior to plan development in order to identify major deficiencies that needed to be addressed in construction.

TEAM MEMBERS INVOLVED: **B. JOHNSON, G. HEITMAN, K. MALPANI, R. NATALUK, J. CAINS, AND FORTE & TABLADA**

TASK RELEVANCE:

- ☒ Retainer Contract Management
- ☒ Subconsultant Coordination (teamed with Forte & Tablada)
- ☒ Bridge and Roadway Design
- ☒ Bridge Inspections, Repairs, Rehabilitation
- ☒ Traffic Engineering / TMP Development
- ☒ Construction Support Services

FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Bridge
PROJECT NAME	MDOT BRIDGE SERVICES IDIQ MASTER CONTRACT 2017		FIRM RESPONSIBILITY (prime or sub?)	Prime
PROJECT NUMBER	N/A	OWNER'S NAME	Mississippi Department of Transportation	
PROJECT LOCATION	Statewide, Mississippi		OWNER'S PROJECT MANAGER	Scott Westerfield, PE
OWNER'S ADDRESS, PHONE, EMAIL	401 North West Street, Jackson, MS 39201 601-359-7200 swesterfield@mdot.ms.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	08/17	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$2,463
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$2,085

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

Stantec has provided a wide variety of services on multiple assignments involving bridge services for MDOT.

Services included bridge inspections, bridge rehabilitation, new bridge construction, construction support services, and bridge load rating analyses. Below are the work assignments under this contract:

SR 145 Bridge Replacements / Prentiss County, MS (Replacement - Concrete): Construction support services for the replacement of five structurally deficient bridges on existing roadway alignment. Structure types included AASHTO and BT prestressed concrete girders with spans up to 135-ft.

Load Rating Bridges in AASHTOWare / Statewide, MS (Rating - Concrete & Steel): Stantec was responsible for load rating 120 bridges (116 unique models) using AASHTOWare BrR. Structure types included concrete slab spans, concrete tee-beams, prestressed concrete girders, structural steel girders, and concrete box girders.

SR 12 over Sunflower River / Washington & Humphreys Counties, MS (New - Steel): Realignment of an existing roadway to improve the crossing over Sunflower River. The bridge consists of three spans (280-ft, 350-ft, 280-ft) using four structural steel plate girders and X-bracing, spaced at approximately 25-ft, and parallel to the 15-degrees skew. Three 7-ft diameter drilled shafts will support concrete intermediate bents.

US80 over Pearl River / Hinds & Rankin Counties, MS (Repair/Rehab - Concrete): Stantec performed an inspection of concrete tee-beam approach spans, developed an assessment report, and prepared final rehabilitation plans. Repairs included resealing deck joints, concrete patching, beam hanger assembly installation, and replacing concrete pedestals. Stantec provided construction support services.

Madison Avenue over Brashear Creek / Madison, MS (Replacement - Concrete): Bridge replacement using phase construction to maintain traffic on the existing alignment. The bridge consists of one 145-ft long, Florida I-Beam, span with a skew of 30-degrees at each abutment. At 113.92-ft wide, the roadway section consists of four travel lanes, sidewalks on each end, and a raised median. A pile supported retaining wall was designed for the northwest quadrant to armor the creek bank.

I-20 South Frontage Road / Vicksburg, MS (New/Repair - Concrete): Construction support services for new bridge construction and repairs on five existing bridges along the I-20 corridor. The new bridge will extend the frontage road to US80 over old SR 27 and a KCS railroad line.

Trusses Inspection and Load Rating / Statewide, MS (Inspection/Rating - Trusses): Detailed inspections and load rating analyses were performed on four steel through trusses. MDOT is using this project to establish processes and procedures to assist with future needs on other trusses. Reports included in field measurement verifications with shop drawings, fracture critical member identifications, and recommended posting requirements.

US 84 over Mississippi River / Natchez, MS (Inspection - Trusses): Stantec was responsible for performing a detailed inspection of twin steel through trusses. Inspection techniques consisted of climbers, manlifts, from deck, and from ground. Pin testing and a bathymetric survey were included.

SR 27 over Little White Oak Creek / Hinds County, MS (New - Concrete): Design of a three span FIB girder bridge. Spans are 60-ft, 100-ft, 60-ft.

SR 601 / I-10 Interim Interchange / Harrison County, MS (New - Concrete & Steel): Stantec is responsible for updating an existing plan set to meet current construction specifications for 7 new bridges including AASHTO, BT, and FIB sections and one horizontally curved structural steel plate girder bridge with hammerhead piers. Load rating analyses are being performed on the as-designed bridges using AASHTOWare BrR.

TEAM MEMBERS INVOLVED: B. JOHNSON, J. KREBS, K. MALPANI, R. NATALUK, W. HAWKINS

TASK RELEVANCE:

- ☒ Bridge Design (New, Rehab, Repair)
- ☒ Bridge Inspections (NBIS & NSTM)
- ☒ Bridge Load Rating
- ☒ Construction Support Services

FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Road, Bridge, Traffic, ITS, Other (Lighting)
PROJECT NAME	I-10/LOYOLA INTERCHANGE DESIGN-BUILD PROJECT		FIRM RESPONSIBILITY (prime or sub?)	Sub-consultant
PROJECT NUMBER	H.0011670	OWNER'S NAME	Louisiana Department of Transportation and Development	
PROJECT LOCATION	Kenner, Louisiana		OWNER'S PROJECT MANAGER	Timothy Nickel, PE
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access, Baton Rouge, LA 70808 225-242-4640 timothy.nickel@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	08/19	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$125,591 (DB Contractor's Bid)
SERVICES COMPLETED BY THIS FIRM (MM/YY)	04/24	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$9,744.3

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

This innovative design project is critical to the Greater New Orleans area, providing improved access on a local, state, regional and international level.

Stantec served as the Lead Designer for this Design-Build project which provided improvements to Interstate 10 (I-10), Loyola Drive north of I-10, as well as improvements south of I-10 connecting to the new terminal access road for the new LANOIA north terminal facility. The proposed improvement was approved as an Alternative Technical Concept (ATC) and features Louisiana's first Diverging Diamond Interchange (DDI) at Loyola and I-10, as well as one-way elevated flyovers from I-10 Westbound to the southbound terminal access road lanes, and from the northbound terminal access road lanes to I-10 Eastbound. Through Stantec traffic analysis, the DDI was shown to perform better than the original alternative LADOTD proposed for the project. To support the environmental re-evaluation required for the ATC, Stantec developed creative exhibits to explain the DDI concept including a "hot wheels" scale DDI "drive-thru", a video produced from an OpenRoads rendering, and a VISSIM model, all used at the public meeting.

Stantec pro-actively managed the design phase by coordinating closely with the surveyor to advance the design as much as possible during the collection of the topographic and property survey, condensing the project schedule tremendously. At the same time, our traffic engineers developed the Interchange Modification Report (IMR) for DOTD/FHWA approval of the DDI. We also broke down the overall design into several design packages to advance portions of the project not reliant on the approval of the IMR to proceed with construction, another schedule related benefit.

The project features aesthetically pleasing bridge structures, including curved steel box girders and enhanced substructure in high-visibility areas; and concrete trapezoidal box girders (LU shapes) and enhanced substructure at the combined bridge section of the northbound and southbound ramp approaching the new terminal access road. Roadway geometry and hydraulic design were critical to the success of this retrofit urban interchange. An intensive Line & Grade vertical profile exercise was performed to ensure the proposed flyover structures did not conflict with Veterans Memorial Blvd., existing overhead utilities, Loyola Drive the I-10 EB & WB mainline structures, and the I-10 WB access ramp. Profile grade, superelevation, superstructure depth, and other appurtenances (signing, etc.) was considered in the development of a final alignment that met design requirements for vertical clearance and constructability. Utility coordination and relocations were also very important for the success of this project - where the utility conflict matrix identified an impact, Stantec coordinated closely with the utility providers and District 02 to implement utility relocation plans for 6 major utilities and designed to avoid many more. Lastly, the proposed Temporary Traffic Control Plans and Level 4 TMP developed by Stantec allowed traffic from the new airport to be maintained with very little disruption.

During construction, Stantec was heavily involved in responding to Contractor RFIs, NCRs, and design clarifications needed to assist them with making progress. The quality of the design and construction on this project was guided by the Design Quality Management Plan and the Construction Quality Management Plan. For each submittal, Stantec performed design quality reviews by the discipline lead, the design manager, and an independent reviewer. Then DOTD's Owner Verification Team led by GEC also performed design reviews and provided comments for each submittal. Our close and productive working relationship with GEC on the Loyola project led to our teaming relationship on this IDIQ for Critical Project Support.

TEAM MEMBERS INVOLVED: B. JOHNSON, K. MALPANI, R. SMITH, N. PRUDHOMME, G. HEITMAN, J. CAINS, J. LEFANTE, M. O'ROURKE, J. KREBS, D. GOUDEAU, W. HAWKINS, FORTE & TABLADA, AND GEOENGINEERS

TASK RELEVANCE:

- ☒ Bridge Design & Load Rating
- ☒ Bridge Inspection & Widening
- ☒ Roadway Design
- ☒ Traffic Engineering
- ☒ Lighting Design
- ☒ Construction Support
- ☒ Teamed with GeoEngineers and Forte & Tablada to deliver Exceptional Design Solutions



FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Bridge, Road, Traffic, ITS, Environmental, Other (lighting)
PROJECT NAME	NELSON ROAD EXTENSION AND BRIDGE			FIRM RESPONSIBILITY (prime or sub?) Prime
PROJECT NUMBER	H.005967	OWNER'S NAME	Mississippi Department of Transportation and Development	
PROJECT LOCATION	Lake Charles, Louisiana			OWNER'S PROJECT MANAGER Christina Brignac
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access, Baton Rouge, LA 70808 225-379-2516 christina.brignac@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	11/10	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$3,058.6
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$2,535.9

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

The City of Lake Charles, LADOTD, FHWA, and the Port of Lake Charles were the key stakeholders in completing this crucial roadway network link to the Port of Lake Charles City Docks facilities and downtown Lake Charles area. Coordination with all stakeholders was key to the success of this project.

To deliver a project that has been planned for well over 40 years, Stantec led the design efforts to construct a new, high-level, fixed-span bridge over Contraband Bayou with access to the Port of Lake Charles and points east of the project. Stantec—working closely with DOTD and FHWA—led the Stage 0 studies and Environmental Assessment process for this project to obtain a FONSI decision, in which an alternative analysis for potential roadway connections to the Port of Lake Charles and W. Sallier Street were driven by traffic analysis and an assessment of impacts on the area.

Stantec developed several other items for the EA document including a line and grade study, traffic and safety analyses, profile grade investigation, access management assessment, vessel survey, complete streets alternatives, as well as assisted with developing supporting exhibits and completing applications for USACE and USCG permitting with other project team members. Stantec also managed the delivery of the EA document for approval, including leading the required public meeting and hearing during the NEPA process. After receipt of the FONSI, Stantec entered into Stage 3 Preliminary and Final Design Services.

The project is a multi-disciplinary effort including roadway design, subsurface drainage design, open ditch design, bridge design over a navigable waterway, traffic signal design, roadway lighting design, navigation lighting design, and railroad design (at-grade crossing and electrical equipment). The topographic survey for this project was provided through two team subconsultants (topographic and hydrographic survey) as well as partially in-house (topographic survey), so clear and frequent coordination was required during the early stages of preliminary design.

Stantec delivered the project in the customary phases and performed quality reviews and independent peer reviews throughout the process prior to milestone submittals. Stantec also designed a new railroad crossing near the Port of Lake Charles, which required coordination with DOTD and the development of technical specifications and special provisions for this project that were included in the bid package for construction. To assist with public media releases, Stantec developed a 3D-rendering using various viewpoints of the project (daytime and nighttime).

Stantec answered contractor's questions and provided plan changes to incorporate contractor comments during the construction letting phase. We are currently performing construction support including reviews of RFIs, product submittals and shop drawings, attending progress meetings, and providing limited inspection services (lighting, railroad, and underwater structural inspection).

TEAM MEMBERS INVOLVED: **B. JOHNSON, G. HEITMAN, J. KREBS, J. LEFANTE, J. CAINS, N. PRUDHOMME, M. O'ROURKE, K. MALPANI**

TASK RELEVANCE:

- ☒ Project Management
- ☒ Environmental & Permit Support
- ☒ Surveying Services
- ☒ Bridge Design
- ☒ Preliminary & Final Roadway Design, Plan Development & Cost Estimates
- ☒ Roadway & Hydraulic Design
- ☒ Traffic Engineering & Design
- ☒ Road Design Services during Environmental
- ☒ Project Specific Specifications
- ☒ Quality Control & Peer Reviews
- ☒ Letting Support
- ☒ Construction Support



FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Bridge
PROJECT NAME	SR 28 OVER PEARL RIVER BRIDGE REPAIRS		FIRM RESPONSIBILITY (prime or sub?)	Prime
PROJECT NUMBER	SP-0013-02(037)/109589-101000 & 102000	OWNER'S NAME	Mississippi Department of Transportation	
PROJECT LOCATION	Copiah & Simpson Counties, Mississippi		OWNER'S PROJECT MANAGER	Scott Westerfield, PE
OWNER'S ADDRESS, PHONE, EMAIL	401 North West Street, Jackson, MS 39201 601-359-7200 swesterfield@mdot.ms.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	03/24	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$220
SERVICES COMPLETED BY THIS FIRM (MM/YY)	06/25	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$220

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

Stantec performed an in-depth damage inspection one week after being notified by MDOT. A summary of findings was delivered six days after the inspection. Final plans were delivered in less than two months.

The bridge, located on SR28, near Georgetown, MS, consists of a 550-ft three-span (150-250-150-ft) continuous steel through truss founded on reinforced concrete piers. On March 21, 2024, a hauling vehicle traveling west impacted several portals and sway frames due to carrying an oversized load. Several truss members in the bridge's main span and east anchor span were distorted or fractured, including two main load-bearing posts at the east pier. MDOT requested Stantec to perform a damage inspection to determine the extent of damage. On March 25, 2024, Stantec performed an initial site inspection and followed up with a detailed inspection of the east portion of the bridge on March 28, 2024. Rope access techniques were used to access lower and upper chord members, gusset plates, and floor beams; a bucket truck was used to inspect upper chord, vertical, diagonal, and sway bracing members and connections. During the inspection, member sizes and connection configurations were field verified against the existing plans and shop drawings. An upper chord member was found to have a full-depth fracture, which prevented opening the bridge to traffic until repairs could be completed. Stantec delivered a summary of the findings report and repair recommendations six days after the inspection.

Stantec developed repair plans that include limits for heat straightening and member replacement less than one month from the inspection date. To expedite the design phase, MDOT requested the stability analysis and member design be included in the construction contract. The project was advertised in May 2024. Stantec provided construction support, including reviewing contractor submittals, performing site observations, and addressing requests for information. Stantec performed weekly construction site observations the last few months of construction (March - April 2025) and performed final construction inspections above and below the bridge deck (May 2025). Construction was delayed for several months due to installing the temporary works.

TEAM MEMBERS INVOLVED: B. JOHNSON, J. KREBS, K. MALPANI, B. SHANMUNGAM

TASK RELEVANCE:

- ☒ Damage Inspection
- ☒ Bridge Inspection (NSTM)
- ☒ Inspection Reporting
- ☒ Maintenance & Repair Recommendations
- ☒ Final Bridge Plans
- ☒ Construction Support



FIRM NAME	Civil Design & Construction, Inc.		DISCIPLINE(S)	Survey
PROJECT NAME	LA 58: PETIT CAILLOU BRIDGE REHABILITATION / SARAH BRIDGE		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.010006.5-3	OWNER'S NAME	Louisiana Department of Transportation and Development (sub to Huval & Assoc.)	
PROJECT LOCATION	Terrebonne Parish, 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)	04/17	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	07/17	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$31

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

Project Description: The purpose of this project is to provide a structural, architectural, mechanical, and electrical rehabilitation of the movable bridge and approaches that shall allow it to remain in service for an additional 50 years with routine maintenance along with various other repairs and updates to the site. CD&C was tasked with performing the topographic survey and DTM for this movable bridge structure and site.

CD&C's Role: CD&C performed a topography survey along LA 58 from Little Caillou Road to Bayside Drive within the existing right of way. Also, CD&C located all utilities within the designated areas of the bridge site and cross-sectioned this large bayou up and downstream of the bridge. Utilities were marked by LA One Call. 3D Terrestrial Scanning was used in conjunction with single beam hydrographic surveying in addition to traditional means and methods to collect data for the project. To obtain all critical information for design the bridge had to be scanned at both raised and lowered positions.

Performed in LA: 100%

TEAM MEMBERS INVOLVED: K. WESTON, C. BALLARD, J. STOEHR



FIRM NAME	Civil Design & Construction, Inc.		DISCIPLINE(S)		Survey
PROJECT NAME	LWI REGION 5 – TASK ORDER #2			FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.02728.5	OWNER'S NAME	Louisiana Department of Transportation and Development (sub to HDR)		
PROJECT LOCATION	Tangipahoa Parish, LA			OWNER'S PROJECT MANAGER	Garland Pennison (HDR)
OWNER'S ADDRESS, PHONE, EMAIL		HDR 8545 United Plaza Boulevard Baton Rouge, LA 70809 (225)465-6360			
SERVICES COMMENCED BY THIS FIRM (MM/YY)		02/22	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)		11/22	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$159
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)					

Project Description: In 2018, the state launched the Louisiana Watershed Initiative, introducing a new watershed-based approach to reducing flood risk in Louisiana. Guided by a federally approved Action Plan, the funds will support statewide planning, watershed modeling, data collection and projects that reduce flood risk. This Project for the Louisiana Watershed Initiative statewide modeling is for Region 5. The intent of this project as a whole is to create a watershed model for each basin in the state. This specific task order covered the survey of over 60 structures in St Landry Parish, Jefferson Davis Parish, Acadia Parish, St Mary Parish.

CD&C's Role: CS&C completed a variety of topographic survey deliverables depending on the modeling need for each structure.

Performed in LA: 100%

TEAM MEMBERS INVOLVED: **K. WESTON, C. BALLARD, M. MILLS, S. BENTON, C. GOODSPEED, J. STOHR**



FIRM NAME	ECM Consultants, LLC		DISCIPLINE(S)	CE&I/OV
PROJECT NAME	BELLE CHASSE BRIDGE, P3 DESIGN-BUILD PROJECT		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	S.P. No. 713-38-0001	OWNER'S NAME	Louisiana Department of Transportation and Development / Developer: Plenary Infrastructure Belle Chasse LLC	
PROJECT LOCATION	Plaquemines Parish, LA		OWNER'S PROJECT MANAGER	Nicholas Oliver, P.E. / Brian Canavier
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access, Baton Rouge, LA 70808 337-379-1133 nicholas.olivier@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	04/20	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$5,376
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$5,140

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

ECM is serving as the Construction Quality Control Firm (CQCF) for this P3 design-build project to construct a new Mid-Level fixed span bridge that spans over the Intracoastal Waterway on Louisiana Highway 23. This \$182 million project includes the demolition of the existing Judge Perez Bridge and the decommission of the Belle Chasse Tunnel. The new bridge is constructed to current clearance standards for marine vessels as required by the US Coast Guard. This work includes marine pile driving, column bents installing prestressed concrete girders, installing steel plate girders main span over the Intracoastal Waterway, concrete bridge deck, approach roadway, MSE Wall construction, on grade roadway including earthwork, subbase and base, drainage, utilities relocation, PCC pavement, Asphaltic Concrete pavement, concrete barrier railing, roadway lighting, and striping. ECM's Quality Control team of engineers and LADOTD certified inspectors are responsible for monitoring construction activities, documenting, sampling and testing to ensure compliance with the project's plans and specifications. Our CQCM is the designated point of contact with LADOTD, and their Owner Verification staff. ECM's Quality Control testing and Inspection results are used for Quality Acceptance by LADOTD and their OV representative.

ECM's Quality Control duties include: Managing Construction Quality Control activities as per the Construction Quality Management Plan (CQMP), verifying implementation and compliance to it as well as maintenance of the CQMP; Evaluating the quality of work performed by contractor, subcontractors, and material quality on the project; Verifying that Quality Records attesting to the quality of the Work, as required by the Contract Documents, are prepared, maintained, and stored throughout the term of the contract, and uploaded to the electronic documentation database, along with DOTD's Site manager, Site manager Materials, and Headlight platforms; Performing source evaluations and approval of material suppliers in accordance with the contract documents; Reviewing LADOTD plant QC inspection records and verifying that test equipment is properly maintained; Verifying qualified QC personnel perform all QC testing required as per the Construction Quality Acceptance Plan; Performing independent inspection of work to verify and document that development work has been constructed in conformance with the requirements and released for construction documentation that will lead to final closeout; Preparing and issuing Nonconformance Reports (NCR), transmitting to Design-Builder & LADOTD; Maintaining hard copies of all records and documentation, uploading all records to electronic DOTD's QA documentation database; Approving Test Results transmitted from private lab by the CQAM; Providing testing data to LADOTD for statistical analysis; Entering all QC material test data into QC documentation databases including Site manager, Site manager Materials, and Headlight platforms; Preparing "As-Built" plans, final estimate packages including Form 2059 and submitting to LADOTD.

TEAM MEMBERS INVOLVED: **Z. COLLIER, E. RODRIGUEZ**



FIRM NAME	ECM Consultants, LLC		DISCIPLINE(S)	CE&I/OV
PROJECT NAME	LAPALCO BRIDGE OVER BAYOU SEGNETTE		FIRM RESPONSIBILITY (prime or sub?)	Prime
PROJECT NUMBER	JPPW No. 2013-010-RB	OWNER'S NAME	Jefferson Parish Dept. of Public Works	
PROJECT LOCATION	Jefferson Parish, LA		OWNER'S PROJECT MANAGER	Mark Drewes, P.E.
OWNER'S ADDRESS, PHONE, EMAIL	1221 Elmwood Park Blvd #802, Harahan, LA 70123, 504-736-6511, MDrewes@jeffparish.net			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	03/14	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$734
SERVICES COMPLETED BY THIS FIRM (MM/YY)	12/22	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$700

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

ECM performed comprehensive bridge inspection conforming to the National Bridge Inspection Standard (NBIS) using FHWA-NBIS certified engineers and inspectors. Additionally, the contract scope also included load rating analysis and, subsequently, design and preparation of construction documents for correcting deficiencies and damages and replacing non-standard elements for Lapalco Blvd. Bridge over Bayou Segnette. This 40-year-old fix bridge is a 3,000 LF long, high-rise steel girder span (over water) and prestressed concrete girder span bridge supported by reinforced concrete pier/column systems resting on pile-supported concrete footings.

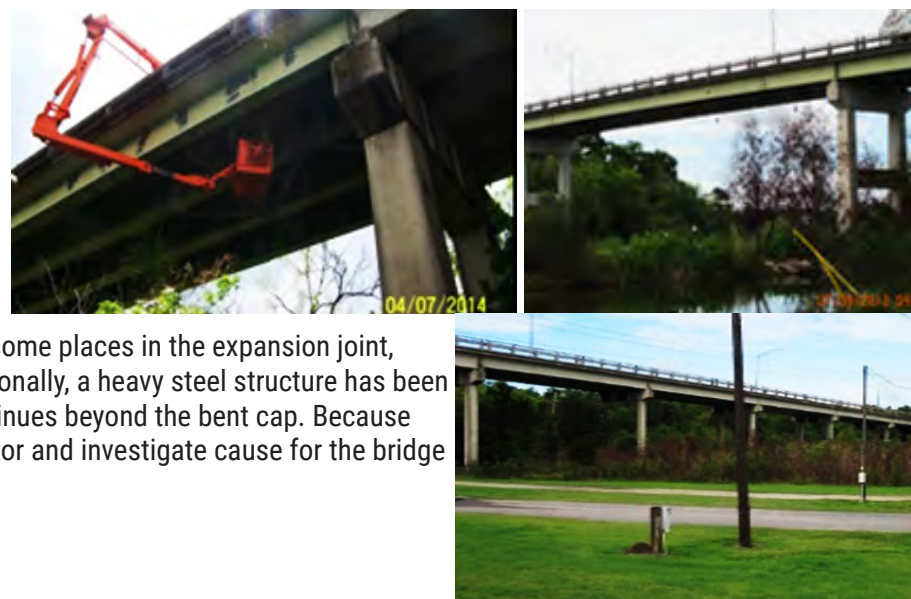
Work included structural inspections of girders, bents, risers, anchor bolts, bearing pads, deck, expansion joints, railings, inspection of coating (LBP) of the steel girders curtain walls and approaches etc., load rating analysis as well as underwater inspections using divers for the piers and foundation to determine scour depths. And piers conditions

ECM performed a complete physical inspection of all the structural elements of the bridge and prepared a report for the Dept. of Engineering, Jefferson Parish, detailing all the deficiencies and damages, including nonstandard bridge railings and existing Lead-Based Paint (LBP) system on steel girders. ECM made recommendations for the necessary rehabilitation and repairs to the bridge elements, including replacement of the bridge safety railings. After the inspection report was submitted, ECM was authorized to design for remediation of all structural deficiencies of the bridge including removal of LBP and recoating of the steel girders and replacement of non-standard railings.

ECM performed design and prepared construction plans and specifications for replacing all bearing pads for the girders which will require lifting of each span individually, replace all damaged and bent anchor bolts and angle clits, replace all deck expansion joint systems, abatement of LBP and repaint all steel girder spans, remove and replace the bridge's concrete curtain walls which have moved out of their original positions, removal and replacement of the existing bridge safety rail with PL-2 compliant railing consisting of concrete and metal rail with a total height of 3'-6", and replace permanent pavement markings.

Some deck and approach slabs have slid and created as much as about 4" gap in some places in the expansion joint, which will be repaired by installing new expansion joint materials on the deck. Additionally, a heavy steel structure has been designed to support the concrete girders in the event the movement of the span continues beyond the bent cap. Because the deck slabs have slid substantially, Parish engaged a geotechnical firm to monitor and investigate cause for the bridge movements.

TEAM MEMBERS INVOLVED: **E. RODRIGUEZ**



FIRM NAME	Forte and Tablada, Inc.		DISCIPLINE(S)	Survey
PROJECT NAME	LA 47 OVER BAYOU BIENVENUE			FIRM RESPONSIBILITY (prime or sub?) Sub
PROJECT NUMBER	S.P. No. H.015935	OWNER'S NAME	Louisiana Department of Transportation and Development (c/o HNTB)	
PROJECT LOCATION	Orleans and St. Bernard Parishes, LA			OWNER'S PROJECT MANAGER Dusty Bastion, PE (HNTB)
OWNER'S ADDRESS, PHONE, EMAIL		1000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810 225-368-2810 dbastion@HNTB.com		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	02/24	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$104
SERVICES COMPLETED BY THIS FIRM (MM/YY)	03/24	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$104
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

Forte and Tablada performed an emergency topographic survey in support of the replacement of the LA 47 Paris Road Bridge over Bayou Bienvenue, located just north of Chalmette, Louisiana. The survey limits extended approximately 1,300 feet along LA 47—500 feet south of the southern bridge abutment to 500 feet north of the northern abutment—and included 500 linear feet of Bayou Bienvenue (250 feet upstream and downstream of the bridge).

The scope included a full topographic survey capturing:

- Surface features required for bridge replacement design
- All utilities with depths and drainage structures
- Finish floor elevations of structures within the survey corridor
- Limited bridge detail including deck features, pile cap centerline, number of piles, and bottom of stringers
- Stationary Terrestrial Laser Scanning (TLS) on hard surfaces including roadways and the bridge deck
- Apparent right-of-way determination based on existing monumentation

All deliverables were completed in accordance with the LA DOTD Location and Survey Manual, including point cloud data in E57 and LAS format.

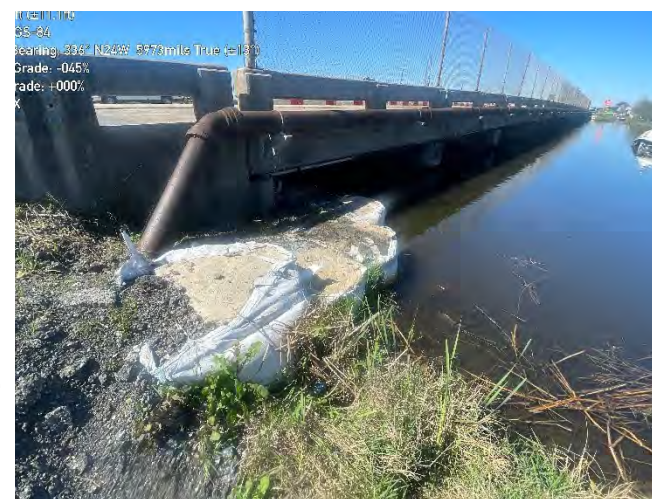
Key Challenge: The biggest challenge faced by the survey team was the aggressive turnaround time required to support an emergency bridge closure. Forte and Tablada deployed multiple field crews and leveraged advanced scanning technologies to meet critical project deadlines without sacrificing quality or accuracy.

Deliverables:

- Digital Terrain Model (DTM)
- Topographic CAD files
- Utility and drainage mapping
- TLS Point Cloud (E57 and LAS)
- Apparent right-of-way mapping

Outcome: Despite the urgency, Forte and Tablada delivered all required survey data within 30 days of receiving advanced notice to proceed—months ahead of the official contract execution. The rapid mobilization and delivery enabled the design team to proceed immediately with critical bridge replacement efforts. This project showcases Forte and Tablada's capability to perform under pressure and deliver precise geospatial data on compressed timelines for high-priority infrastructure needs.

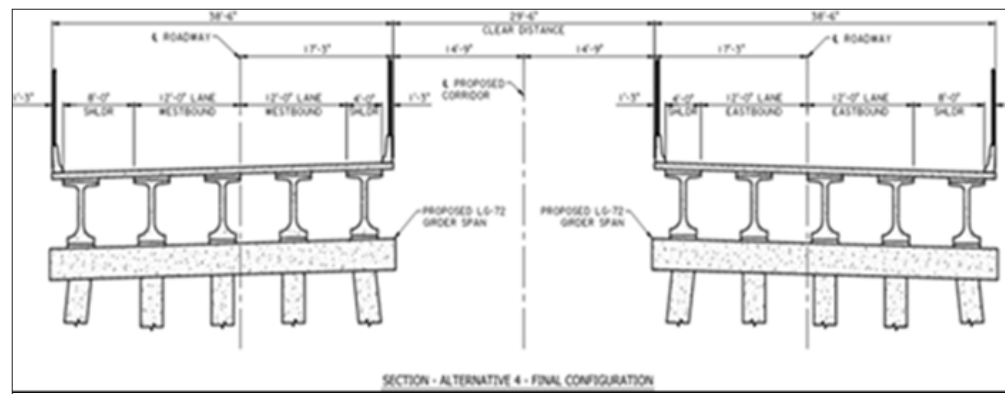
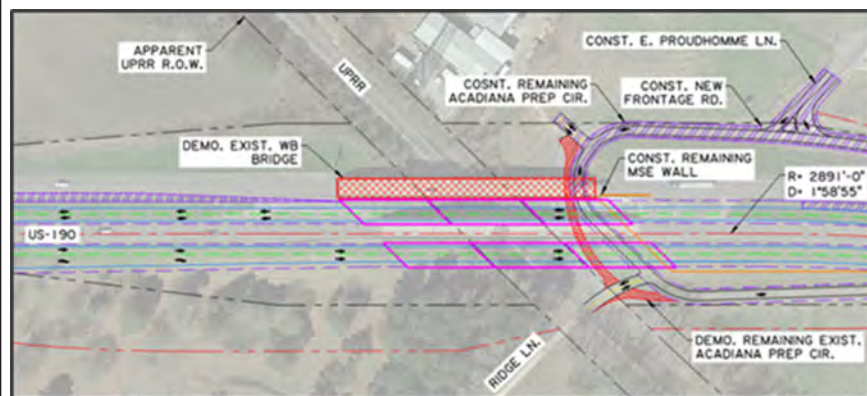
TEAM MEMBERS INVOLVED: **B. HOLLEMAN, R. WILSON**



FIRM NAME	Forte and Tablada, Inc.		DISCIPLINE(S)		Bridge, Road
PROJECT NAME	RETAINER FOR BRIDGE PRESERVATION TASK ORDER 2- US 190 OVER UPRR AND LITTLE TECHE BAYOU			FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	S.P. No. H.000445	OWNER'S NAME	Louisiana Department of Transportation and Development (c/o HNTB)		
PROJECT LOCATION	St. Mary Parish, LA			OWNER'S PROJECT MANAGER	Dusty Bastion, PE (HNTB)
OWNER'S ADDRESS, PHONE, EMAIL		1000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810 225-368-2810 dbastion@HNTB.com			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	10/18	TOTAL CONSULTANT CONTRACT COST (\$1,000's)			\$207
SERVICES COMPLETED BY THIS FIRM (MM/YY)	05/19	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)			\$147
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)					

Forte and Tablada, Inc., as a sub consultant to HNTB on a bridge preservation retainer contract with LADOTD, developed a scoping document for the replacement or rehabilitation of the EB and WB US 190 bridges over the Union Pacific Railroad (UPRR) near I-49 and over Little Teche Bayou in St. Landy Parish, LA. Based on our findings, a Bridge Evaluation Report outlining the feasibility and preliminary cost estimates for several construction phasing alternatives, as well as a recommended scope of work, was developed. Based on the condition (and subsequent load rating) and configuration of the existing bridges, it was determined that both bridges over the railroad tracks, as well as the bridges over Little Teche Bayou, should be replaced with new structures. Due to the UPRR ROW width, a much longer center span (and deeper girders) was needed, which required the roadway profile to be raised significantly to provide the required vertical clearance over the railroad tracks. Also, since U.S. 190 is frequently used as an alternate route for I-10, it was determined that a new horizontal alignment is required to allow for two lanes to remain open in both directions during construction.

TEAM MEMBERS INVOLVED: **J. EASLEY**



FIRM NAME	Forte and Tablada, Inc.		DISCIPLINE(S)	Bridge
PROJECT NAME	OFF-SYSTEM BRIDGE REPLACEMENTS – WHITTINGTON ROAD OVER GRAYS CREEK		FIRM RESPONSIBILITY (prime or sub?)	Prime
PROJECT NUMBER	S.P. No. H.016166	OWNER'S NAME	Livingston Parish	
PROJECT LOCATION	Orleans and St. Bernard Parishes, LA		OWNER'S PROJECT MANAGER	Sam Digirolamo
OWNER'S ADDRESS, PHONE, EMAIL		20399 Government Blvd, Livingston, LA 70754 225-686-3062 sdigirolamo@lpgov.com		
SERVICES COMMENCED BY THIS FIRM (MM/YY)		07/17	TOTAL CONSULTANT CONTRACT COST (\$1,000's)	\$176.2
SERVICES COMPLETED BY THIS FIRM (MM/YY)		12/20	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)	\$134.4
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

Forte and Tablada provided surveying, engineering, and hydraulic analysis services required for the replacement of an aging timber bridge on Whittington Road over Grays Creek in Livingston Parish. The existing timber bridge was replaced with a six-span concrete slab span bridge. As this road is the only access to dozens of homes and a temporary crossing was not feasible due to site constraints, a temporary access road was constructed to provide access to the residents while the bridge was out of service. This required an agreement between the landowners and the Parish, which was facilitated by Forte and Tablada. This work included the following tasks:

- Topographic Survey
- Hydraulic Analysis
- Civil and Bridge Design & Construction Plans Preparation
- Wetlands/Environmental Services
- Property Surveys and ROW Agreements
- Construction Phase Services

TEAM MEMBERS INVOLVED: **J. EASLEY, R. WILSON**



FIRM NAME	GeoEngineers, Inc.		DISCIPLINE(S)		Geotech
PROJECT NAME	I-210 AT COVE LANE INTERCHANGE (DESIGN AND CONSTRUCTION)			FIRM RESPONSIBILITY (prime or sub?)	Prime
PROJECT NUMBER	H.010151	OWNER'S NAME	Louisiana Department of Transportation and Development		
PROJECT LOCATION	Route I-210, Lake Charles, LA			OWNER'S PROJECT MANAGER	Benjamin Fernandez
OWNER'S ADDRESS, PHONE, EMAIL		P.O. Box 94245, Baton Rouge, LA 70816 225-379-1821 Benjamin.Fernandez@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	08/12	TOTAL CONSULTANT CONTRACT COST (\$1,000's)			\$80,000
SERVICES COMPLETED BY THIS FIRM (MM/YY)	07/15	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)			\$2,470
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)					

GeoEngineers completed a geotechnical engineering evaluation, design and construction monitoring for the new Interstate 210 (I-210) overpass of Cove Lane in Lake Charles, Calcasieu Parish. This fast-track project required our team to mobilize five different drill rigs for explorations and staff from offices across the country to meet the schedule requirements. We completed engineering analyses and provided design and construction recommendations for about 8,000 driven pile foundations (provided PDA/CAPWAP evaluation of the piles during installation), MSE walls, and wick-drain/surcharge design to reduce post-construction embankment settlement, in accordance with AASHTO LRFD specifications for highway bridges.

GeoEngineers provided a complete geotechnical investigation, including 128 explorations (43 drilled soil borings and 85 CPTs) to depths in the range of 20 to 120 feet and associated soil laboratory testing for the I-210 overpass structure with approach embankments and ramps, which is aligned within a very crowded corridor between Cline Canal and private property. The proposed embankment overpass structure used a tight urban diamond configuration with a roundabout for the new Cove Lane interchange. The team used PDA equipment to evaluate and monitor installation of one pile every 50 of the 8,000 piles the contractor placed. In addition, our numerous detailed records provided valuable information to the DOTD and team members during the project. The work for this large project had to be performed very close to live traffic. Safety measures were heightened even more to ensure the safety of everyone working on the project and to the ongoing traffic.

TEAM MEMBERS INVOLVED: **J. ARONSTEIN, L. SANT, D. ELEY**



FIRM NAME	GeoEngineers, Inc.		DISCIPLINE(S)	Geotech
PROJECT NAME	DESIGN-BUILD US90 @ LA318 INTERCHANGE			FIRM RESPONSIBILITY (prime or sub?) Sub
PROJECT NUMBER	S.P. H.004932	OWNER'S NAME	Louisiana Department of Transportation and Development	
PROJECT LOCATION	St. Mary Parish, LA			OWNER'S PROJECT MANAGER Timothy Nickel, PE
OWNER'S ADDRESS, PHONE, EMAIL		P.O. Box 94245, Baton Rouge, LA 70816 225-379-1110 Timothy.Nickel@la.gov		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	05/15	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		~ \$56,000
SERVICES COMPLETED BY THIS FIRM (MM/YY)	04/18	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$734
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

The US90/LA318 Interchange project was in preparation for the conversion of US90 to future I-49 in St. Mary Parish and included construction of access ramps between US90 and LA318, realignment of the frontage road for local access parallel to US90, and elevating US90 over LA318. As part of the design-build team with Gilchrist Construction Company, GeoEngineers provided geotechnical engineering design services and construction recommendations. Our work included completing preliminary designs for compliance with AASHTO LRFD and LADOTD standards. GeoEngineers also provided geotechnical design to the bridge, road and contractor teams as needed throughout the duration of the design-build construction process and provided PDA/CAPWAP evaluation of the piles during installation. Areas of geotechnical design include the following:

- Review of project geology and explorations previously completed.
- Providing explorations and laboratory testing for foundation, embankment and pavement design.
- Engineering analysis and recommendations for driven pile foundations for highway overpass bridges and drainage culvert design.
- Engineering analysis and recommendations for wick drains an surcharge to reduce post-construction embankment settlement, including field monitoring.
- Field monitoring of pile dynamic testing including WEAP and PDA/CAPWAP analysis.

TEAM MEMBERS INVOLVED: **J. ARONSTEIN, L. SANT**



FIRM NAME	GeoEngineers, Inc.		DISCIPLINE(S)	Geotech
PROJECT NAME	LOYOLA DRIVE/I-10 INTERCHANGE TO NEW AIRPORT TERMINAL DESIGN BUILD		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.011670	OWNER'S NAME	Louisiana Department of Transportation and Development	
PROJECT LOCATION	Jefferson Parish, LA		OWNER'S PROJECT MANAGER	Timothy Nickel, PE
OWNER'S ADDRESS, PHONE, EMAIL		1201 Capitol Access Road, Baton Rouge, LA 70804 225-379-1110 Timothy.Nickel@la.gov		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	01/19	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		~\$125,000
SERVICES COMPLETED BY THIS FIRM (MM/YY)	11/24	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$1,100

GeoEngineers completed the geotechnical exploration, testing, and engineering for this high-profile design build project that will ultimately improve the Loyola Drive interchange to increase operational efficiency and traffic capacity. The pre-existing I-10 interchange was a multi-level, controlled access interchange consisting of two overpass bridges. The LANOIA Airport had plans to build a new terminal and subsequently move the I-10 exit from Williams Boulevard to Loyola Drive. To do this, LA DOTD hired a design-build team to:

- Modify the existing ramps and construct a new multi-level interchange, including two one-way elevated flyovers and a diverging diamond on at-grade interchange Loyola Drive.
- Add auxiliary lanes along I-10, including over Duncan Canal.
- Construct noise barriers at various locations throughout the project corridor.
- Upgrade Loyola Drive north and south of I-10 and tie it into the LANOIA corridor Airport Access Road.
- Improve drainage and lighting, relocate utilities, and provide pier protection.

As part of the design build procurement process, GeoEngineers developed a preliminary subsurface conditions evaluation describing local geology, available geotechnical information, and plotted preliminary design standards to help refine the team's design approach. GeoEngineers worked with the contractor and design team to provide the geotechnical investigations, analyses, design, and construction (provided PDA/CAPWAP evaluation of the piles during installation). Our design services included providing foundation, embankment, pile, and pavement design recommendations.

TEAM MEMBERS INVOLVED: **J. ARONSTEIN, L. SANT**



FIRM NAME	Thompson Engineering, Inc.		DISCIPLINE(S)	Bridge
PROJECT NAME	CONTRACT 5 FOR MOVABLE BRIDGES (6)		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	State Project Nos. H.11998, H.011990, H.013819, H.011997, H.010001	OWNER'S NAME	Louisiana Department of Transportation and Development (sub to HDR Engineering, Inc.)	
PROJECT LOCATION	Vermilion, Lafayette, St. Martin, Calcasieu and Lafayette Parishes, LA		OWNER'S PROJECT MANAGER	Wesley Jacobs, PE
OWNER'S ADDRESS, PHONE, EMAIL	5750 Johnson Street, Suite 105, Lafayette, LA 70503 225-465-6361 Wesley.jacobs@hdrinc.com			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	04/25	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$164

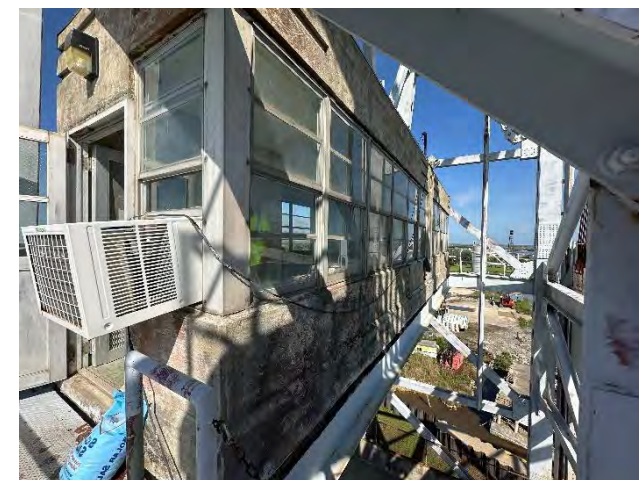
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

The project includes the rehabilitation of six Bridge Tenders Houses located on vertical lift bridges on LA-14, LA-27, LA-92, LA-350 and LA-378 throughout Louisiana. Thompson Engineering, operating as Meyer Engineers, Ltd. reviewed the existing conditions of the building's exterior, doors, windows, interior finishes and roof and have determined, in conjunction with HDR, Inc. that the scope of work is as follows:

- Remove and replace all existing windows with new, impact resistant glazing. All new glazing will be tinted or have interior shading devices installed to minimize heat gain into the tender's work environment.
- Remove and replace all existing interior and exterior doors with insulated, commercial-grade doors and frames with appropriate weatherstripping and updated hardware.
- Remove and replace all finish flooring ceiling with new material.
- Repair and re-paint all interior wall finishes and damaged areas as required.
- Repair and re-finish roof access ladder and canopy as required, inspect all connections to the building.
- Clean all exterior wall surfaces and inspect and re-seal all wall penetrations.
- Remove and replace all furniture/millwork with new construction to facilitate a more efficient layout for tenders.
- Install a new weather-resistant roofing system with updated drainage, flashing and upgraded insulation.

100% of the work for this project was performed in Louisiana.

TEAM MEMBERS INVOLVED: **A. DAVIS, M. PEREZ**



FIRM NAME	Thompson Engineering, Inc.		DISCIPLINE(S)	CE&I/OV
PROJECT NAME	CONTRACT 2 FOR MOVABLE BRIDGES (WSP)		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	State Project Nos. H.012003, H.011995, H.010007, H.012568, H.12000	OWNER'S NAME	Louisiana Department of Transportation and Development (sub to WSP, Inc.)	
PROJECT LOCATION	Vermilion, St. Martin, Assumption and Cameron Parishes, LA		OWNER'S PROJECT MANAGER	Trevor Johnson, PE, Director
OWNER'S ADDRESS, PHONE, EMAIL	5411 Skycenter Drive, Ste. 650, Tampa, FL 33607 813-520-4425 trevor.johnson@wsp.com			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	06/25	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$130

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

The project includes the rehabilitation of five Bridge Tenders Houses located on vertical lift bridges on LA-330, LA-96, LA-27 and LA-82 throughout Louisiana. Thompson Engineering, operating as Meyer Engineers, Ltd. reviewed the existing conditions of the building's exterior, doors, windows, interior finishes and roof and have determined, in conjunction with WSP, Inc. that the scope of work is as follows:

- Remove and replace all existing windows with new, impact resistant glazing. All new glazing will be tinted or have interior shading devices installed to minimize heat gain into the tender's work environment.
- Remove and replace all existing interior and exterior doors with insulated, commercial-grade doors and frames with appropriate weatherstripping and updated hardware.
- Remove and replace all finish flooring ceiling with new material.
- Repair and re-paint all interior wall finishes and damaged areas as required.
- Repair and re-finish roof access ladder and canopy as required, inspect all connections to the building.
- Clean all exterior wall surfaces and inspect and re-seal all wall penetrations.
- Remove and replace all furniture/millwork with new construction to facilitate a more efficient layout for tenders.
- Install a new weather-resistant roofing system with updated drainage, flashing and upgraded insulation..

100% of the work for this project was performed in Louisiana.

TEAM MEMBERS INVOLVED: **A. DAVIS, M. PEREZ**



FIRM NAME	Wiss, Janney, Elstner Associates, Inc.		DISCIPLINE(S)	Bridge
PROJECT NAME	DANZIGER LIFT BRIDGE REPAIR			FIRM RESPONSIBILITY (prime or sub?) Prime/Sub
PROJECT NUMBER	Contract 4400009424, H.000303.6; 44-21594, H.000303.6; 44-23923, H.014283.5	OWNER'S NAME	Louisiana Department of Transportation and Development	
PROJECT LOCATION	New Orleans. LA			OWNER'S PROJECT MANAGER Mark Bucci
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capitol Access Rd., Baton Rouge, LA 70802 225-379-1076 mark.bucci@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/2019	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$3,132
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$2,622

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

The Danziger Lift Bridge is an electro-mechanical, tower drive vertical lift bridge that opened to vehicular traffic in 1984. The bridge was reportedly experiencing operational issues, which included the movable span no longer fitting into the available space between the towers as well as one corner of the bridge not seating properly. WJE was tasked with performing an inspection of relevant portions of the main span contributing to the reported operational issues, an in-depth inspection of the lift bridge machinery and electrical systems, and development of repairs to restore the long-term functionality and reliability of the bridge. WJE installed instrumentation and monitoring equipment during the field investigation to evaluate the bridge's operations over an extended period. Based on the findings from our investigation, WJE prepared emergency repair plans and specifications to address some of the operational issues with the bridge. Significant findings and the associated remedies included the following:

- Improving the lift span riding surface on the steel orthotropic deck with the installation of polyester polymer concrete repairs.
- Identification of pinion shaft bearing damage and the subsequent restoration of the pinion shafts and bearings.
- Addressing the contact of the lift span during warm temperatures with the approach spans by monitoring the joint movements and identifying that daily thermal movements of the approach spans were causing the issue, and that by cleaning the expansion joints, the issue was alleviated.
- Design of a new lift span skew control system after components were removed from the bridge and could not be relocated or replaced in kind.
- Design of electrical controls for the clutches associated with the span drive differentials.
- Strain gage testing to measure span balance and implementation of counterweight changes to improve seating of the span.
- Strain gage testing also showed that the span drive differentials on both towers were not functioning properly requiring coordination with the manufacturer to properly adjust the clutches in the differentials.
- Repairs to the air buffer system to eliminate excessive demands on the span drive system when seating the bridge.
- Inspection of trunnion bearings and installation of automated acoustic monitoring system to assess bearing performance until scheduled replacements are required.
- Preparation of rehabilitation cost estimates.
- Mechanical, electrical, and overlay design preparation



TEAM MEMBERS INVOLVED: J. MCGORMLEY, S. LAUER, J. WILLIAMS, G. REES, Y. ZHENG

FIRM NAME	Wiss, Janney, Elstner Associates, Inc.		DISCIPLINE(S)	Bridge
PROJECT NAME	US190 OVER LA415 AND CPKC RR EMERGENCY REPAIRS		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	N/A	OWNER'S NAME	Louisiana Department of Transportation and Development	
PROJECT LOCATION	Allendale Westover, West Baton Rouge Parish, Louisiana		OWNER'S PROJECT MANAGER	John Fontenot
OWNER'S ADDRESS, PHONE, EMAIL	LADOTD District 61 Operations, Baton Rouge, 8100 Airline Highway, Baton Rouge, LA 70815 (225) 231-4102 john.fontenot2@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	11/25	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	06/26	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$100

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

US 190 over LA 415 and the CPKC Railroad is a multi-span structure consisting of ten precast concrete approach spans flanking a five-span steel superstructure crossing the railroad. Because of the skew of the railroad, the steel superstructure consists of floor beams spanning between single concrete columns. Each floor beam supports ten rolled-shape stringers. In the two end spans, the steel stringers are supported on fixed bearings on concrete wall piers while the other end of the stringer is supported on saddles riveted to the floor beam web. The structure was originally constructed in 1939 and has only seen limited repairs over its nearly 90-year service life.

Inspections over the last three years have identified extensive corrosion-related distress of the stringers in the two end spans as both ends of the stringers are below deck expansion joints. In 2025, inspections of the stringer section loss led to the load posting of the bridge. Because this structure serves as an emergency truck route from Baton Rouge, posting limits triggered the need to complete emergency repairs to the bridge. CEC Inc. was selected by the LADOTD to complete the needed emergency repairs to remove the load posting and to install preventative maintenance repairs to avoid future emergency repairs until the bridge could be programmed for replacement. WJE was retained by CEC to develop the steel repairs for the structure.

Working together with CEC, WJE inspected the structure to evaluate the extent of section loss in the stringers. Analysis of the effects of section loss on stringer capacity demonstrated adequate strength to support legal loads allowing the posting to be removed; however, the conditions warranted repair to achieve an additional ten to twenty years of service until replacement. Bolted galvanized web plate repairs were developed to restore web section loss. Installation of the web repairs required installation of through-bolted angles at most interior concrete diaphragms. At the end span diaphragms, access openings were cut in the diaphragms to create space to install the repairs. Installation of the repairs was completed without shoring. To extend the service life of these repairs, in addition to installing a multi-coat paint system, bent plate flashing was installed below the finger joint above each girder to direct run-off and debris away from the stringer flanges. Completion of repairs is anticipated in June 2026.

TEAM MEMBERS INVOLVED: J. MCGORMLEY, L. PHELPS



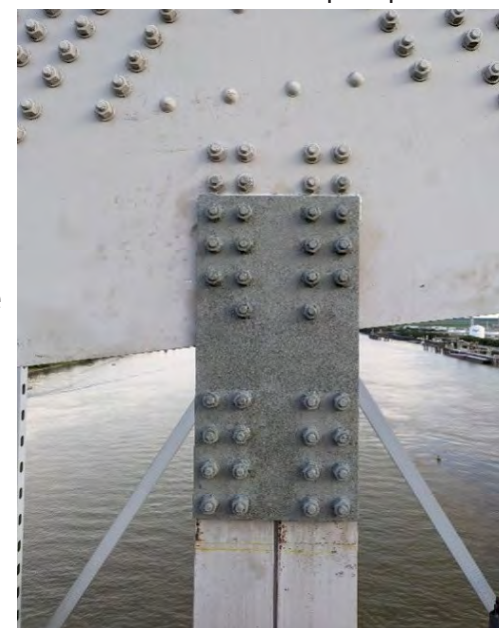
FIRM NAME	Wiss, Janney, Elstner Associates, Inc.		DISCIPLINE(S)	Bridge
PROJECT NAME	LA-70 SUNSHINE BRIDGE OVER THE MISSISSIPPI RIVER, VERTICAL MEMBER FAILURE		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.015228.5	OWNER'S NAME	Louisiana Department of Transportation and Development	
PROJECT LOCATION	St. James Parish, Louisiana		OWNER'S PROJECT MANAGER	Mark Bucci
OWNER'S ADDRESS, PHONE, EMAIL		LADOTD Bridge Design Section, 1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1076 Mark.Bucci@la.gov		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	08/22	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$193
SERVICES COMPLETED BY THIS FIRM (MM/YY)	06/25	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$193

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

The Sunshine Bridge is a cantilevered through truss with a main span of 825 feet that crosses the Mississippi River. Constructed in 1964, the bridge provides 170 feet of vertical clearance over the river channel. The bridge is a continuous five-span riveted steel through truss comprised of 83 panel points, with a vertical member at each panel point. In August 2022, during a routine inspection of the Sunshine Bridge by the LADOTD, two fractured angles comprising the flange of Vertical Member L37-U37N were observed at the upper U37N connection. The cracks occurred at the same elevation and were aligned with the bottom of the gusset plate. Due to the cracks, the westbound right lane on the bridge was closed to traffic. Based on an initial structural evaluation of the fractures by WJE, it was estimated that approximately 60 percent of the member capacity remained. Thus, the bridge was allowed to remain open; however, no permitted loads or vehicles requiring a permit from the LADOTD were allowed to use the bridge during the lane closure.

WJE performed a structural investigation and developed emergency repairs to address the partial fracture. Within two days of the finding, WJE engineers prepared a preliminary repair design with the 1-inch thick A709 Grade 50 plate procured, cut, drilled, and primed by the following week. WJE then installed the splice plate and carefully removed samples from the two fractured angles, which were sent to WJE's laboratory for metallurgical evaluation. Fracture of member U37N was the result of section loss of the material on the north face that created a surface geometry that introduced stress concentrations and subsequent cracking. This localized deterioration involved pre-existing corrosion, geometric distortion from pack rust, and cumulative fatigue damage.

To evaluate the significance of the fracture findings on the remaining vertical members, WJE installed and monitored sensors for six months at the three north truss vertical members L37'-U37'N, L39'-U39'N, and U39-U39N. The monitoring data from the geometrically mirrored member, U37'N, particularly at the west outboard flange, revealed several similar conditions consistent with those that preceded the U37N failure. Fatigue analysis confirmed significantly higher effective stress ranges at U37'N West Outboard—up to 4.5 ksi—compared to the 1.2 to 1.3 ksi ranges typical at other members. Although still below the constant amplitude fatigue limit for Category A details (24 ksi), the effects of section loss are apparent and will continue to increase. Environmental effects, including thermal cycling and wind-induced oscillations, further demonstrated that members with section loss such as U37'N may be more susceptible to stress amplification under vortex shedding. Recommendations to the LADOTD included repairing U37'N with a similar repair as for U37N, reinspecting the vertical members and installing repairs where section loss is observed, and updating NSTM inspection procedures to include documenting future section loss at these connections.



TEAM MEMBERS INVOLVED: J. MCGORMLEY

Section 18

Photo from the US 84 over the
Mississippi River Bridge Inspections
Stantec Project



18. **Approach and Methodology:**

This statewide Bridge Preservation IDIQ comprises contracts focused on upgrading infrastructure, enhancing motorist safety, and supporting economic growth. Task Orders will be centered around an individual bridge site or bundled bridge sites, potentially integrating services such as bridge inspections, roadway design, traffic engineering, surveying, geotechnical services, environmental investigations, and permitting. Scope responsibilities may include repairs, structural rehabilitation to meet the current strength and serviceability requirements, complete bridge replacements, and new construction.

THE STANTEC TEAM

Stantec will serve as the prime consultant and work closely with subconsultants Wiss Janey, Elstner Associates, Inc. (WJE), Forte and Tablada, Inc. (F&T), GeoEngineers, Inc. (GEO), Civil Design and Construction (CDC), Thompson Engineering, Inc. (Thompson), and ECM Consultants, LLC (ECM) to provide any necessary services outlined in Attachment "A" – Scope of Services, of the advertisement related to Bridge Design, Geotechnical, Roadway Design and Traffic, Surveying & Title Work, Bridge Inspection, and Environmental & Permitting.

A PROVEN APPROACH THROUGH EXPERIENCE

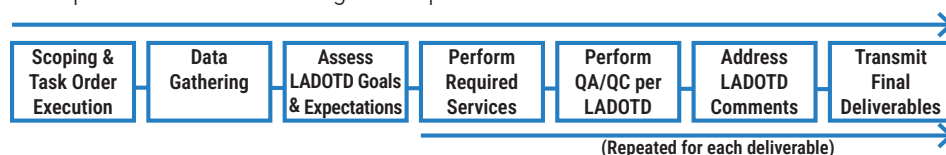
Over the past 21 years, our proposed PM and supporting engineering team have served, completed, or are currently serving on 19 IDIQs related to bridge preservation, inspection, design, and load rating. Of those, five have been with LADOTD (see table below).

Relevant and Similar IDIQ Contracts (partial list)

LADOTD No. 4400000642, Bridge Retainer (2008-2012)
LADOTD No. 4400000667, Bridge Retainer (2009-2013)
LADOTD No. 4400002536, Retainer Contract for Bridge Preservation (2012-2017)
LADOTD No. 4400002716, Retainer Contract for Bridge Rating (2013-2017)
* LADOTD No. 4400023922, IDIQ Contract for Bridge Preservation (2022-2027)
MDOT Bridge Services Master Contract (2011)
MDOT Bridge Services Master Contract (2014)
* MDOT Bridge Services IDIQ Master Contract (2017)
* MDOT Bridge Services IDIQ Master Contract (2021)
* MDOT Bridge Services IDIQ Master Contract (2024)
MS State Aid IDIQ Contracts (2011, 2013, 2015, 2017, 2019, 2022, *2025)
* TXDOT Routine Bridge Inspections; Contract No. 88-2IDP5051 (2022-2027)
* TXDOT Routine Bridge Inspections; Contract No. 88-4IDP5217 (2025-2030)

*Indicates current contract

Anticipated workflow for design or inspection Task Orders.



- Required services may include field investigations, pre-engineering and design.
- A construction support Task Order workflow will follow construction activities.

TASK ORDER DELIVERY APPROACH

1. BRIDGE DESIGN SERVICES

1.1 General Bridge Engineering services will be provided for fixed and movable bridges with project types covering new bridges, replacement, rehabilitation, preventive maintenance and repair, and roadway lighting. Bridge inspection and condition evaluation services are addressed separately in the Bridge Inspection Services section of this proposal.

→ BRIDGE REHABILITATION AND REPAIR

Task Orders requiring bridge rehabilitation/repair will follow Part I, Chapter 6 – Design Policy for Bridge Rehabilitation/Repair Project of the LADOTD Bridge Design and Evaluation Manual (BDEM) as outlined below:

- Review existing project documentation (including crash history)
- Field investigation of existing structure, if not previously performed
- Evaluate load-carrying capacity of existing structure
- Determine proposed rehabilitation scope
- Summarize results and recommendations

Bridge design activities may include analyzing structures with repairs in-place, new members to replace existing, or adding elements to strengthen existing members. Plan development milestones will be established based on the project's complexity and prioritization.

Construction cost estimates, "as-designed" load rating reports, specifications, and calculation books will be included with the appropriate milestones. We will assist LADOTD during the bidding process to aid in answering Falcon questions, addressing potential plan revisions, and reviewing contractor bids.

EMERGENCY INSPECTION / REPAIR - When emergency situations arise, whether due to natural disasters, overloading, vessel collision, or component failure, a quick response is needed to ensure public safety. Our team will immediately mobilize field personnel to assess site conditions while simultaneously developing potential temporary solutions to avoid extended bridge closures. Once the emergency phase has been resolved, we will work with LADOTD to determine next steps for rehabilitation and repair or replacement.

Our team has extensive experience in repair/rehabilitation of deficient bridges using traditional and non-traditional techniques. Under our LADOTD Bridge Preservation IDIQs, Stantec designed, inspected, and rehabilitated several bridges including US 90Z Ramp Imp.; LA 3064 Essen Lane Bridge Widening; I-10 Bridge Preventive Maintenance; I-10 over Duncan Canal Bridge Widening; and I-10 Trinity Canal Bridge Repairs.

→ NEW BRIDGE OR BRIDGE REPLACEMENT

When the final decision is to replace an existing deficient structure or provide a new crossing, roadway alignments and bridge type(s) selected will consider minimizing impacts to maintenance of traffic (vehicular, bike/ped, and navigational), residents and businesses, required right-of-way, utilities, construction challenges, and environmental issues. Careful traffic control planning will be essential during the demolition and construction stages of the project; the recently updated LADOTD TTC Standard Plans and the MUTCD will be utilized during development. Once a final alignment is selected, our roadway, environmental, survey, hydraulic, and geotechnical teams will initiate services to establish minimum finish grade and appropriate span arrangements to meet clearances and/or minimize scour potential, and determine appropriate foundation types. Span arrangements will be configured to achieve an efficient design and be cost effective for the region. Based on the scoping meeting, we will assemble the appropriate staff from our team to provide the required services. If needed, our firm is well equipped to provide bridge hydraulics analysis and design in accordance with LADOTD policy, as demonstrated on our recent Box Culvert Initiative projects.

Projects completed in LA include the new I-10 Loyola Interchange (Design-Build) in Kenner, I-20/Tarbuton Road Interchange in Ruston, McCain Creek Bridge Replacement in Caddo Parish, and I-210/Cove Lane Extension and Interchange in Lake Charles. Nelson Road Extension in Lake Charles is currently under construction. Ongoing design projects include both Hearne Ave. and Texas Ave. bridge replacements over KCS (now CPKC) RR in Shreveport, Yellow Water River Bridge Replacement in Hammond, and the Box Culvert Initiative in Districts 03 & 05.

→ AS-DESIGNED, AS-BUILT, AND CONDITION LOAD RATINGS

Where required, we will use the data gathered during design, construction, or inspection phases to develop bridge load rating models using AASHTOWare BrR, accompanied by other appropriate software packages, to identify areas and elements that may need to be strengthened or replaced to meet established rehabilitation criteria. Stantec will implement the procedures presented in Part II, Vol. 5, Section 6 – Load Rating of the LADOTD BDEM when performing load ratings and developing reports.

Stantec and F&T were responsible for managing and performing load ratings on over 635 statewide on-system bridges using the Load and Resistance Factor Rating (LRFR) method.

Stantec has been awarded many Bridge Inspections and Load Rating IDIQ Contracts in other states that involved in-depth inspections and load rating of various bridges from simple slab bridges to cable stayed bridges and steel trusses, including both fixed and movable spans.

→ CONSTRUCTION ENGINEERING SUPPORT

At the onset of construction, Stantec will establish one point of contact responsible for distributing submittals and contractor requests for information (RFI) reviews to each discipline, maintaining the status of each review, and coordinating site

observations. Recent experience on the I-10/Loyola Drive design-build required the design team to keep accurate records of over 120 shop drawings and 170 RFIs. These same procedures will be implemented on each construction support task order so information can be shared between disciplines and firms to minimize review times and referencing previous submissions.

1.2 Sampling, Instrumentation, & Non-Destructive Testing (NDT)

Services will be provided by WJE, a firm with extensive experience in laboratory and field testing utilizing a variety of sensor types, supported by in-house labs for efficient analysis. Their capabilities include wireless monitoring systems, data archiving, and automated alerts. WJE can also implement advanced NDT methods such as impact-echo and ground-penetrating radar. These tools help evaluate performance and repairs. GEO will provide NDT services to assess existing deep foundations.

When a deeper understanding of the structure's performance is needed, we will initiate these typical steps to setup and analyze instrumentation: Initial assessment and instrumentation plan development; System procurement (determination of sensors and components); Develop traffic and safety plans; Plan execution (instrumentation installation and maintenance); Data acquisition and analysis; Structural analyses; QA/QC of deliverables; and Report findings and recommendations.

NDT and Non-destructive evaluation (NDE) techniques efficiently assess structural condition and performance, reducing the need for costly, disruptive physical testing while enabling more targeted and effective recommendations.

2. GEOTECHNICAL SERVICES

GeoEngineers, with more than 34 years of experience on transportation-related projects and extensive experience working with LADOTD, will provide Geotechnical Services on task orders, including field investigations, laboratory testing and analysis, site characterization, soil boring logs, and construction services. Evaluation of bridge foundation types will be carried out in accordance with LADOTD guidelines and national specifications. The team will determine the minimum number, and required depth, of borings to accurately determine deep foundation requirements and assess soil stability concerns. Once road and bridge alignments have been established, geotechnical services will begin to mobilize and plan field activities. In Stage 0 projects, a geotechnical desktop study is developed to focus on risk assessment. Once the final plans begin, a draft geotechnical data report will be developed for review and completed before plan delivery.

3. ROADWAY/TRAFFIC DESIGN

Our roadway design team will be engaged at the onset of any Task Order that requires line & grade roadway plan development, including new alignments, detour routes, and diversion structures. Traffic engineering services will be included as needed on specific Task Orders. These services will be led and performed by Stantec's highly qualified staff with knowledge and experience in delivering LADOTD projects using the TEPR process. The identified key staff on the organizational chart are fully acquainted with LADOTD's plan development process, and applicable LADOTD design guidelines,

standards, and specifications. Services may include development of preliminary and final plans, roadway drainage hydraulic analysis and design, traffic control design and data collection, and developing Transportation Management Plans (TMP) as applicable. CDC and Thompson will provide support when needed.

4. SURVEYING AND TITLE WORK

Underwater Acoustical Imaging/3D Laser Scanning Services will be provided by F&T utilizing the latest multi-beam and single beam hydrographic equipment. This equipment, combined with versatile fleet of vessels, including those capable of accessing shallow inland waterways, can be used to survey submerged bridge elements in open bays and lakes, as well as small streams, rivers, bayous, and canals. F&T utilize this equipment to identify scour, pier damage, pile degradation, pier movement, and geometry below the water. Similarly, F&T is an industry leader in integrating laser-scanning (LiDAR) technology for bridge preservation, inspection, and instrumentation applications. Existing bridge components can be quickly, safely, and precisely captured for further design analysis, or even directly used in plan development. Further, complex as-built details can be developed for the bridge elements that have been field modified through their history, have been damaged, or where there are no existing plans.

The power of those scanning technologies has been demonstrated on the Sunshine Bridge and Danziger Vertical Lift Bridge repair projects.

Topographic Surveying Services will be performed by CDC who has served LADOTD on numerous statewide projects providing topographic surveys, property surveys, base and final right-of-way maps, and construction surveying services, which makes them fully acclimated with LADOTD requirements. **CDC-completed projects include: the Louisiana Rural Bridge Initiative; Petit Caillou Bridge Rehabilitation/Sarah Bridge, Terrebonne Parish; and LA 443 Tangipahoa River Emergency Bridge Replacement in Tangipahoa Parish.**

5. BRIDGE INSPECTION SERVICES

The Stantec Team has a proven track record of performing inspections for a variety of clients in many different capacities. Stantec will lead inspections with support from WJE, F&T, and ECM.

A bridge inspection approach is highly dependent on structure type, crossing features, and inspection needs (initial, routine, in-depth, special, emergency, etc.). During the scoping phase, our team will perform field reconnaissance to assess structure site conditions to determine appropriate methods to complete the inspection.

→ INSPECTION AND CONDITION ASSESSMENT

LADOTD's On-System Bridge Inspection Manual (2024 Edition) along with the LADOTD Coding and Field Guide, will be referenced for all inspections. Bridge data will be reported using the Specifications for the National Bridge Inventory (SNBI) unless otherwise directed by LADOTD. Prior to starting field work, a site-specific safety plan will be developed to identify potential hazards and risks at the site and

associated with the required inspection technique(s). This plan will prioritize both the inspection team's and traveling public's safety.

When necessary, a Transportation Management Plan (TMP) will be developed to perform inspection activities. TMP level is dependent on traffic volume and possible detour lengths. The TMP will show applicable temporary traffic control details, detour route signage as needed, and a basic public information release at the district level.

FIXED BRIDGES - The Stantec Team has been performing inspections on short, medium, and long span bridges for decades. Element level inspections of steel or concrete girder spans are generally completed using ground observation, ladders, boats, manlifts, bucket boats, and/or under-bridge inspection units. Inspection team members are assigned based on skill and expertise to complete the required work. From small efficient teams of two to four experienced bridge inspectors to larger teams, up to 12 highly trained professionals, can mobilize to tackle larger bridges in a short period. Larger inspection teams are strategically broken into smaller groups led by seasoned team leaders to evaluate and complete certain bridge elements and components.

Having one team complete the evaluation of similar bridge elements and components helps keep collected data consistent.

MOVABLE BRIDGES - LADOTD's Movable Bridge Inspection Manual will be used in conjunction with the previously mentioned manuals when a Task Order involves a movable bridge. Our team may be required to inspect and evaluate different movable bridge types including bascule, swing, and vertical lift bridges. These inspections require knowledge and skills beyond those needed for routine conventional bridge inspections due to the electrical, mechanical, and hydraulic systems. A specialized team of mechanical and electrical engineers will be on-site to evaluate and code the LADOTD Agency Defined Elements (ADE's) for control panels, PLC's, motors, housings, gearing, bearings, hydraulic power units, cables, and other structure specific elements. Gears, shafts, couplers, and bearings will be evaluated for wear, vibration, proper lubrication, and any abnormal noises or vibrations will be investigated. Structural teams will inspect counterweights and towers for deterioration. Roadway safety items, such as advanced warning signs and stop arms, will be observed to confirm they are properly in place and functioning. Navigation lights, fender systems, and operator houses will also be included in the inspection.

NON-REDUNDANT STEEL TENSION MEMBERS - The approach, methodology, and staffing needed to perform inspections on non-redundant steel tension members (NSTM) for fixed and movable bridges are the same. Assigned team members will have taken NHI Course 130078, currently titled Bridge Inspection Techniques for Nonredundant Steel Tension Members (NSTM). Inspectors will concentrate efforts on fatigue prone details, out-of-plane bending locations, intersecting welds, floor beam & stringer connections, built-up members, previously noted cracks, areas where debris collects, trunnion bearings, and

other historically problematic details. If a suspected crack is identified, the area will be thoroughly cleaned and Magnetic Particle or Dye Penetrant testing will be performed to mark termination points for future inspection tracking, to apply stop drilling, or install a cold expansion repair to induce a compressive force. A specific set of NSTM drawings, to be included in the inspection report, will be developed to identify these members along with their deficiencies as noted in the field.

OTHER COMPLEX BRIDGES - Steel truss bridges will be inspected using rope access and specialized climbing techniques to perform 100% hands-on evaluation of structural members, supplemented by mechanical lifts, where feasible, to improve efficiency. Floor systems, including beams and connections, are accessed using a combination of rope access, traffic-controlled deck operations, under-bridge inspection equipment, and specialized inspection aids to perform a complete and thorough assessment.

Cable-stayed and suspension main span components can be safely accessed and thoroughly inspected by using a combination of built-in inspection travelers, rope access techniques, UBITs, drones, and conventional fall-protection methods, allowing comprehensive evaluation of towers, cables, anchorages, and related components to identify defects and maintenance needs.

OTHER STRUCTURE TYPES - Inspections and evaluations of other structures such as sign trusses, fender systems, noise barriers, retaining walls, etc., will be planned and performed like those for bridges. Qualified and experienced personnel will lead preparation, field work, and report production activities.

ADDITIONAL INSPECTION SERVICES - Coating system assessments will be performed and documented by certified SSPC Protective Coatings Specialists or NACE (now AMPP) Certified Professionals. **Underwater diving operations** will be performed in-house by certified ADCI divers. Services include underwater element inspection and investigation and mapping channel bottom scour by taking depth measurements and soundings using acoustic imaging and side scanning techniques. **Hydrographic or bathymetric surveys** can complement underwater inspections by providing a more detailed topography of the channel bottom up and downstream of the bridge to identify potential scour areas. **Drone and 3-D scanning technologies** are becoming more advanced and can be used during an inspection to review areas that are inaccessible without incurring a significant time and cost impact to the project.

An in-depth report summarizing the inspection findings along with repair recommendations will be prepared and submitted to LADOTD after the inspection has been completed.

6. ENVIRONMENTAL AND PERMITTING

Stantec has a full-service environmental impact-assessment and permitting team with recent, directly-applicable experiences on our LADOTD bridge preservation contract, including Environmental Exclusions (EE) for the replacement of 13

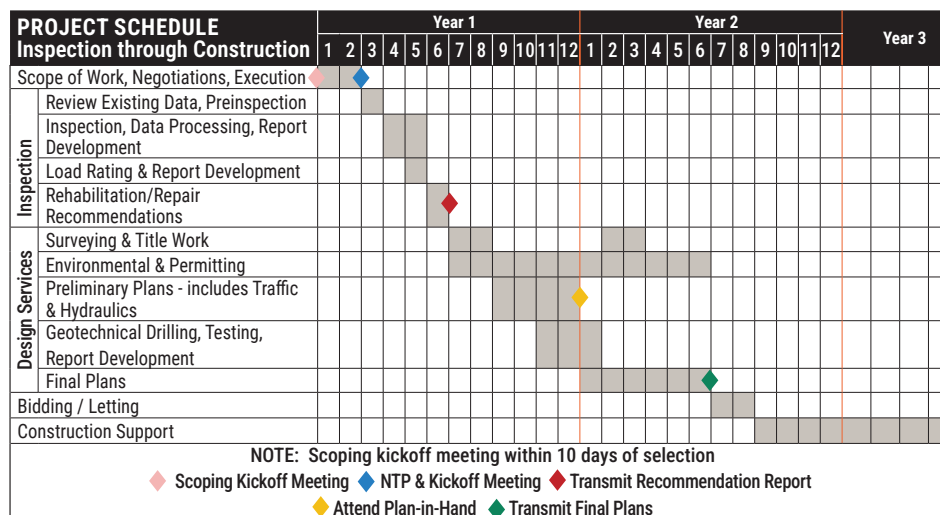
existing bridges with box culverts. The EEs are compliant with FHWA Categorical Exclusion assessment and documentation needs if federal funds are ultimately used. This assessment resulted in nationwide permit coordination, as well as effects evaluations to wetlands, threatened and endangered species, and cultural resources, among other issues. Navigational applicability assessments and related support documentation were also provided to support LADOTD's coordination with FHWA and USCG. Our environmental team, led by Stantec and supported by Thompson, will be consulted early on in the project when environmental concerns are anticipated.

7. CONSTRUCTION ENGINEERING & INSPECTION

Although this is not included in the scope of work, our team has LADOTD qualified personnel to perform construction engineering and inspection (CE&I) services. ECM and WJE will provide these services if the need arises.

PROJECT SCHEDULE

Schedules will depend on the structure type, project location, task order scope and expectations, and inclusion of design and construction activities. A typical schedule from inspection through construction is expected to be as follows:



QUALITY ASSURANCE/QUALITY CONTROL

Stantec's quality management plan (QMP) is in accordance with ISO 9001 standards. QMP Roles will be identified and assigned to qualified personnel as it pertains to services being provided. Our draft QMP (see Section 21) aligns with LADOTD's Bridge Design Section Policy for QA/QC as presented in Part I, Chapter 3 of the BDEM and includes additional checklists and measures so that each deliverable is of the highest quality.

Sections 19-23

Photo from the SR 28 Over

Pearl River Bridge Repairs Project

Stantec Project



19. **Workload:**

FIRM(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s)*	Contract Number and State Project Number	PROJECT NAME	REMAINING UNPAID BALANCE**
Stantec Consulting Services Inc.	Road	4400024629; H.005967.6	Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; Striping Pln. Changes	\$1,506
		440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Geometric Design/Analysis	\$255,294
		4400024461; H.012685.5	LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]; Roadway Design; Drainage	\$1,201
		4400022901; H.011094.5 & H.012005.5	LA 3094: Hearne Ave. Bridge and US 80: KCSRR Overpass (HBI) [Caddo Parish]; Roadway	\$598,994
		4400017033; H.005121	LA 1 / LA 415 Connector (Sub to TRC Engineers, Inc.) [West Baton Rouge Parish]; Roadway	\$262,402
		4400022582; H.012011	Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]	\$86,150
		4400022582; H.012029	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]	\$89,293
		4400022582; H.012036	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]	\$8,878
		4400022582; H.012037	Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]	\$1,319
		4400023922; H.012071.5, T.O. 4	IDIQ Contract for Bridge Preservation; US 51: Yellow Water River Bridge [Statewide]	\$192,808
		4400029196; H.016255.5	IDIQ Contract for Engineering and Technical Support Services for Critical Projects; Task Order No. 2 LA1:WGS Riverplex RR Overpass [Ascension Parish]; Roadway	\$510,077
		4400029196; H.06496.6	IDIQ Contract for Engineering and Technical Support Services for Critical Projects; Task Order No. 3 Dist02/61/62 Bridge Bundle SFY25-26 [Statewide]; Roadway	\$102,474
	Bridge	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Structure & Bridge	\$80,924
		4400022901; H.011094.5 & H.012005.5	LA 3094: Hearne Ave. Bridge and US 80: KCS RR Overpass (HBI) [Caddo Parish]; Bridge	\$750,248
		4400023922; H.016312	IDIQ Contract for Bridge Preservation; LA 3116: Creek Bridges [Acadia Parish]	\$84,367
		4400023922; H.016319	IDIQ Contract for Bridge Preservation; LA 542: Creek Bridges [Jackson Parish]	\$66,807
		4400023922; H.012071.5, T.O. 4	IDIQ Contract for Bridge Preservation; US 51: Yellow Water River Bridge [Statewide]	\$164,793
		4400023922; H.016327	IDIQ Contract for Bridge Preservation; LA 792: Drain [Bienville Parish]	\$42,301
		4400023922; H.016329	IDIQ Contract for Bridge Preservation; LA 830-6: Creek [Morehouse Parish]	\$42,955
		4400023922; H.016330	IDIQ Contract for Bridge Preservation; LA 343: Creek [Vermilion Parish]	\$121,510

Stantec Consulting Services Inc.	Bridge	4400023922; H.016331	IDIQ Contract for Bridge Preservation; LA 4: Drain [Bienville Parish]	\$43,002
		4400023922; H.016332	IDIQ Contract for Bridge Preservation; LA 520: Drain [Claiborne Parish]	\$43,104
		4400023922; H.016333	IDIQ Contract for Bridge Preservation; LA 95: Bayou [Evangeline Parish]	\$122,441
		4400022582; H.012011	Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]	\$17,282
		4400022582; H.012029	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]	\$77,076
		4400022582; H.012036	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]	\$101,200
		4400022582; H.012037	Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]	\$3,577
		4400029196; H.016255.5	IDIQ Contract for Engineering and Technical Support Services for Critical Projects; LA 1: WGS Riverplex RR Overpass [Ascension Parish]	\$433,903
		4400029196; H.016496.6	IDIQ Contract for Engineering and Technical Support Services for Critical Projects; DIST02/61/62 Bridge Bundle SFY25-26 [Statewide]	\$136,752
	Traffic	440004128; .004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Traffic Engineering	\$87,399
		4400024461; H.012685.5	LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]; Traffic Study; Signal Design	\$4,360
		4400029196; H.016421.2	I-20: Interchange at Rough Edge Rd. [Lincoln Parish]; Traffic Engineering	\$76,805
	Other (Lighting)	4400024629; H.005967.6	Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; Roadway & Nav. Lighting	\$8,379
		440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Public Relations/Comm.; Lighting; Aviation	\$6,537
		4400017033; H.005121	LA 1 / LA 415 Connector (Sub to TRC Engineers, Inc.) [West Baton Rouge Parish]; Other/Vessel Survey	\$11,518
		4400017033; H.005121	LA 1 / LA 415 Connector (Sub to TRC Engineers, Inc.) [West Baton Rouge Parish]; Other/Lighting	\$310,207
		44-04761; H.004957.5	I-12 to Bush Corridor, LA 3241: I-12 to LA 36 (Sub to Evans-Graves Engineering, Inc.) [St. Tammany Parish]; I-12/LA 434 Lighting Project	\$6,149
	CE&I/OV	4400024629; H.005967.6	Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; CE&I and Construction Support	\$279,393
	Right-of-Way	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; ROW Acquisition	\$69,646
	Survey	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Survey	\$22,731
	Planning	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Prog. Mgmt.; Context Sensitive Design Process; Impl. Strategies	\$518,798

Stantec Consulting Services Inc.	Planning	4400017033; H.005121	LA 1 / LA 415 Connector (Sub to TRC Engineers, Inc.) [West Baton Rouge Parish]	\$169,485
		4400022582; H.012011	Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]	\$37,536
		4400022582; H.012029	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]	\$38,007
		4400022582; H.012036	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]	\$40,763
		4400022582; H.012037	Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]	\$34,869
		4400029196; H.016255.5	LA 1: WGS Riverplex RR Overpass [Ascension Parish]	\$96,120
		4400029196; H.016496.6	DIST02/61/62 Bridge Bundle SFY25-26 [Statewide]	\$224,180
	Environmental	4400023972; H.012543.2	IDIQ Contract for Cultural Resources; Phase I/II Cultural Survey; LA 8: Big Creek Bridge [Grant Parish]	\$77,781
		4400023922; H.016312	IDIQ Contract for Bridge Preservation; LA 3116: Creek Bridges [Acadia Parish]	\$28,993
		4400023922; H.016319	IDIQ Contract for Bridge Preservation; LA 542: Creek Bridges [Jackson Parish]	\$27,072
		4400023922; H.016327	IDIQ Contract for Bridge Preservation; LA 792: Drain [Bienville Parish]	\$35,108
		4400023922; H.016329	IDIQ Contract for Bridge Preservation; LA 830-6: Creek [Morehouse Parish]	\$38,111
		4400023922; H.016330	IDIQ Contract for Bridge Preservation; LA 343: Creek [Vermilion Parish]	\$37,527
		4400023922; H.016331	IDIQ Contract for Bridge Preservation; LA 4: Drain [Bienville Parish]	\$39,412
		4400023922; H.016332	IDIQ Contract for Bridge Preservation; LA 520: Drain [Claiborne Parish]	\$39,348
		4400023922; H.016333	IDIQ Contract for Bridge Preservation; LA 95: Bayou [Evangeline Parish]	\$39,157
		4400022582; H.012011	Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]	\$12,660
		4400022582; H.012029	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]	\$30,748
		4400022582; H.012036	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]	\$20,386
		4400022582; H.012037	Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]	\$11,202
		4400029196; H.016255.5	LA 1: WGS Riverplex RR Overpass [Ascension Parish]	\$62,684
		4400029196; H.016421.2	I-20: Interchange at Rough Edge Rd. [Lincoln Parish]; Environmental	\$614,376
	ITS	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; ITS	N/A
		4400017033; H.005121	LA 1 / LA 415 Connector (Sub to TRC Engineers, Inc.) [West Baton Rouge Parish]; ITS	\$125,571

Stantec Consulting Services Inc.	ITS	4400029583, T.O. 1; H.015137.5	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; Bonnet Carre ITS Upgrades [Statewide, LA]	\$520,332
		4400029583, T.O. 2; H.011507.5	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; Monroe ITS Phase 3 [Statewide, LA]	\$273,217
		4400029583, T.O. 3; H.012374.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-12: Essen-Walker Rd. ITS Ramp Meter Upgrade	\$143,106
Civil Design & Construction, Inc.	Survey	4400027093/H.014041	LA 92 ROW Maps	\$5,028
		44-29196; H.016255.5	LA 1: WGS Riverplex RR Overp	\$142,431
		44-26911; H.016083.5	West Worthey Sidewalks	\$27,690
Forte and Tablada, Inc.	Bridge	4400021594/H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	\$813,327
		4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	\$95,757
		4400021594/H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	\$5,244
		4400021594/H.009859.5	Task Order No. 10 - Statewide Bridge Rating	\$837,955
		4400023921/H.015519.6	Task Order No. 5 - Smith Road over Red Chute Bayou	\$9,024
		4400024589/H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	\$41,837
		4400013387/H.013137.5	OSBR Ouachita	\$12,089
		4400019864/H.014318.5	OSBR Gurney Road Bridges	\$4,708
		4400025037/H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	\$3,487
		4400024586/H.014981.5	OSBR Hosston River Road	\$5,689
	Road	4400024641/H.005734.5	LA 447 Corridor	\$300,449
	CE&I/OV	4400023837/H.013714.6	Valhi Blvd Shared-Use Path (Houma)	\$7,598
		4400023837/H.015011.6	Local Rd Striping & Signing (Ascension)	\$242,304
		4400023837/H.013753.6	LA 428: Gen Degaulle - Old Behrman	\$228,344
	Survey	4400021594/H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	\$47,688
		4400021532/H.010116.5	LA 1088: Soult & Trinity Roundabouts	\$22,187
		4400021532/H.012059.5	LA 19: Bridges near Zachary	\$19,490
		4400021532/H.013195.5	LA 98 Curve Realignment	\$3,753
		4400021532/H.005734.5	LA 447 Corridor Study	\$95,561
		4400021532/H.012563.5	LA 73: Bayou Manchac Bridge (HBI)	\$461
		4400027919/H.015587.5	LA 3211 @ Yokley Rd Roundabout	\$7,031

Forte and Tablada, Inc.	Survey	4400021532/H.004100.5	I-10: LA 415 to Essen on I-10 & I-12	\$100,036
		4400031906/H.004791.6	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$72,104
		4400031925/H.007811.5	Comite River - Cypress Bayou	\$72,812
		4400030630/H.015724.5	Kings Hwy: Healthcare & Dev Corridor	\$8,800
		4400025029/H.015341	D61(EBR) IIJA Off-System Bridge	\$53,978
		4400025029/H.015341	D61(EBR) IIJA Off-System Bridge - SA 3	\$9,113
		H.004100	I-10 Capital Corridor	\$4,240
		4400004128/H.004273.5	I-49 Connector Additional ROW	\$6,692
		4400031228/H.015469.5	Shreveport Pavement Program	\$44,235
GeoEngineers, Inc.	Geotech	H.003931	P3 I-10 Calcasieu River Bridge Geotechnical	\$2,005,000
		440022852; H.012011, H.012029, H.012036, H.012037	8 Bridge Replacements/Geotechnical Engineering Services	\$719,120
		H.016255.5	LA-1 Railroad Overpass	\$847,248
		H.01649.6	LADOTD - OV for 20 Bridge Reviews	\$ 110,000
Thompson Engineering, Inc., of Louisiana	CE&I/OV	#4400017430 / H.001498	LA 24 & LA 316: Company Canal Bridge (CE&I)	\$65,608
		#4400021186 / H.013520	Barringer Drive Sidewalks	N/A
		#4400024988/H.006457.6	Roundabout @ PR 929 and Parker Road	N/A
		#4400025412/H.006459.6 (CE&I)	Roundabout Churchpoint Road and Roddy Road (CE&I)	\$323
		#4400025702/H.013813.6 (CE&I)	Vintage Drive Multi Use Path: Power – Wilson (CE&I)	\$37,811
		#4400024021 / #4400024022; H.015028 / H.002264	Bayou Barataria MB Replacement, Phase I (CE&I) Bayou Barataria MB Replacement (CE&I)	\$129,085

Thompson Engineering, Inc., of Louisiana	CE&I/OV	#4400027183/H.01582.5 – Task 2	LA Hwy. 403 Sidewalks (Paincourtville)	\$97,240
		#440027183/H.015860.5 – Task 3	LA 1 & LA 308 Sidewalks (Belle Rose)	\$135,966
		#4400029079/H.014625.6	Terry Parkway: LA 23-US 90B	\$1
		#44000291536/H.014682	Veterans Boulevard: David Drive to Clearview	\$524
		#4400028908/H.014334.6	Bonnabel Boulevard: Metairie Road – I-10 (CE&I)	\$35,708
		#4400030093 / H.015547.6 – Task 1	IDIQ Contract for Construction, Engineering and Inspection Services and Staff Augmentation Alphonse Forbes Road over Drainage Bayou	\$44,859
		4400030093 / H.014837.6 - Task 2	IDIQ LA 30: LA 74-EBR P/L	\$284,969
		4400030093/H.015530.6 - Task 3	IDIQ Devall Road over Drainage Ditch	\$138,143
	Road	#4400023075 / H.013522	S. Lewis Street Widening	\$26,227
		#4400027183/H.016012 – Task 1	IDIQ Contract for Design of Transportation Alternatives Projects Statewide	\$10,031
		#4400027760/H.014509.5	Doucet Road Sidewalks	\$78,455
		#440014181/H.011310	Ford Street Extension	\$133,611
	Bridge	#440021517 / H.010007	DOTD Contract 5 for Movable Bridges (HDR)	\$161,129
		#4400021514	Contract 2 for Movable Bridges (5) Vermilion, St. Martin, Assumption, and Cameron Parishes (WSP)	\$121,623
	Geotech	4400019016 , H.014986	Hales Road Bridges	\$37,755
		4400019016 , H.015013	Sibley Road & Chappapeela Road Bridges	\$58,020
		4400019016 , H.015014	Stateline Road Bridge	\$34,345
		4400019016 , H.013817	LA 8 to LA 118 Improvements	\$55,710
		4400019016 , H.012736	Tensas River Bridge	\$207,733
		4400024656, H.015017	Patricia Street Bridge	\$50,655
Wiss, Janney, Elstner Associates, Inc.	Bridge	#4400001762/H.014899.6	I-10/310 Bonnet Carré Fire Damage Repair	\$37,618
		#44-21594/H.009730.4	T-1 Steel Weld Assessment	\$13,816
		#44-25003/H.009730.5	NDE for Testing/Evaluation of Structures, TO 1	\$350,108

Wiss, Janney, Elstner Associates, Inc.	Bridge	#44-25003-T02/H.009730.5	Testing/Evaluation of Structures, TO 2, In-Depth Bridge Inspection	\$297,432
		44-25003, H.009730.5-T03	Testing/Evaluation of Structures, TO , Service Life Estimates	\$115,448
		44-25003, H.009730.5-T04	Testing/Eval of Structures, TO 4 , Deck Scans	\$2,223,956
		4400023923, H.014283	Danziger Bridge Electrical Repairs	\$507,231
		DOTLT 1000428	Skew Detection Replacement on Vertical Lift	\$204,793
		44-21515, H.012738	Movable Bridge Rehabilitation – Morbihan	\$20,438
		44-21515, H.010004	Movable Bridge Rehabilitation – Olivier	\$32,550
		44-21515, H.011974.5	Movable Bridge Rehabilitation – Dulac	\$1,620
		44-21515, H.011991.5	Movable Bridge Rehabilitation – Daspit	\$32,650
		44-21515, H.014191	Movable Bridge Rehabilitation – Nelson	\$30,256
		4400023923, H.016537.5	West Larose Skew System Repairs	\$90,552
		44-21513, H.012737	Bayou Bonfouca Inspection	\$14,501
		44-21513, H.012044.5	Grand Lake Rehabilitation	\$18,866
ECM Consultants, LLC	Other (dam safety)	Contract# 4400020842 T.O. 4	IDIQ Contract for Engineering & Inspection of State Regulated Dams with Majority of work in District 02, 03,07,61 & 62 Statewide (Dam Safety South Louisiana)	\$68,326
	Other (dam safety feature evaluation)	Contract# 4400020842 T.O. Order 5; H016487.5	IDIQ Contract for Engineering & Inspection of State Regulated Dams with Majority of work in District 02, 03,07,61 & 62 Statewide (Dam Safety South Louisiana)	\$84,904
		Contract# 4400020842 T.O. Order 6	IDIQ Contract for Engineering & Inspection of State Regulated Dams with Majority of work in District 02, 03,07,61 & 62 Statewide(Dam Safety South Louisiana)	\$29,375
	CE&I/OV	Contract#4400031761 H.010557.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 (LaJaunie Rd./ Lateral 1 Bayou St. Clair)	\$194,149
		Contract#4400031761 H.011781.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 (LA675 & LA 87 IMP, in New Iberia	\$906,193
		Contract# 4400021680 H.008145.6	DOTD LA1 Leeville to Golden Meadow	\$1,323,812
		Contract# 4400023838 Task Order 3, H013719.6	IDIQ CE&I Services for Safety Projects US 61 @1-10EB off Ramp Ped IMPR (NO) Route:61	\$54,547
		Contract# 4400023838 Task Order 4, H014629	IDIQ CE&I Services for Safety Projects - Lafourche Parish signing and striping	\$181,862
		Contract# 4400023838 Task Order 5, H013722.6	IDIQ CE&I Services for Safety Projects - Morgan City Sidewalks - downtown & Myrtle St Mary Parish	\$115,383
		Contract# 4400025845 H.013025.6	CE&I Engineering & Inspection Univ AV PH1:100' S RR-500' S I-10 EB RMP	\$499,603
		Contract#4400027364 H.003184.6	IDIQ CE&I Services District 07 (TX State Line-E. of Coonwe Gully)	\$725,422

ECM Consultants, LLC	CE&I/OV	Contract#4400027364 H.015880-6	US 90 LA 397 Jefferson Davis P/L Route : US 90 Calcasieu Parish (Lake Charles to Iowa)	\$365,191
		Contract# 4400030092 H.013968.6	IDIQ CE&I and Staff Augmentation Dist. 61 (LA 404: Bayou And Canal Bridges)	\$950,553
		Contract# 4400030092 H.015548.6	IDIQ CE&I and Staff Augmentation Dist. 61 (E Flanacher Road Over Drainage Bayou)	\$3107
		Contract # 4400032522 H016762.6	IDIQ Contract for CE&I for safety projects Dist. 3,7,8 Sidewalks (Oberlin)	\$105,187

(Add rows as needed)

DO NOT SUM

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

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

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

STANTEC CONSULTING SERVICES INC.



(<https://www.sos.la.gov/Pages/default.aspx>) Search for Louisiana Business Filings

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

Previous Names

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

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

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

Business: STANTEC CONSULTING SERVICES INC.

Charter Number: 34554273F

Registration Date: 3/17/1997

Domicile Address

80 STATE STREET
ALBANY, NY 12207

Mailing Address

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

Principal Business Office

410 17TH STREET
SUITE 1400
DENVER, CO 80202

Registered Office in Louisiana

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

Principal Business Establishment in Louisiana

1340 POYDRAS STREET
SUITE 1420
NEW ORLEANS, LA 701121274

Status

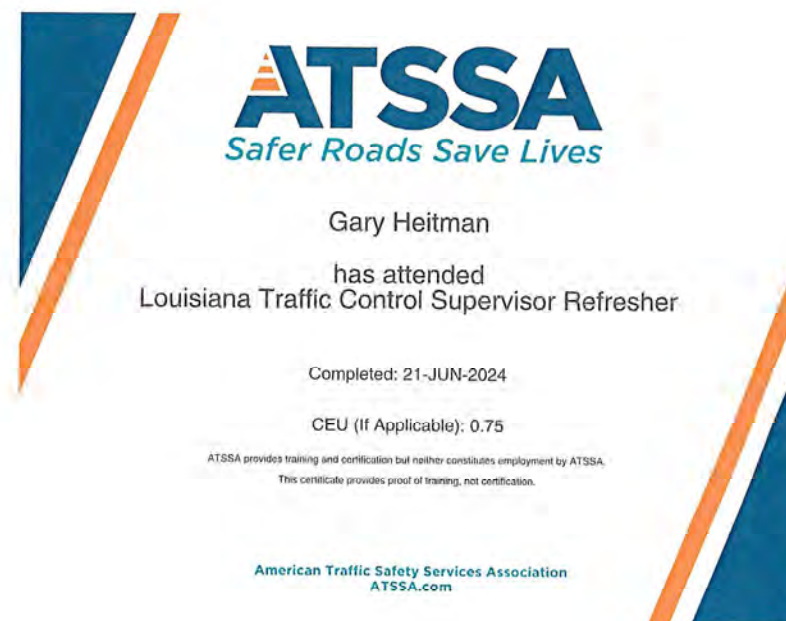
Status: Active

Annual Report Status: In Good Standing

Qualified: 3/17/1997

Last Report Filed: 2/18/2025

Type: Business Corporation (Non-Louisiana)





U.S. Department of Transportation
Federal Highway Administration



CERTIFICATE OF TRAINING

Joseph Johnson

has successfully completed

Bridge Inspection Refresher Training

Date: 07/31/2025

Instructional Hours: 22

Location: Jackson

Instructor(s): Cailein MacDougall, David Hoyne

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute



U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute



Certificate of Training

Brian Johnson

has Successfully Completed

FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges

hosted by

Office of State Aid Road Construction

Date: February 07-10, 2023
Location: Ridgeland, MS

Hours of Instruction: 25

T. Bell

Instructor

Thomas Harman

Instructor

Marie Allbritton

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

John Krebs

has attended

Traffic Control Technician-LA State Specific

Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Baton Rouge, LA
Location

Ronja Smith

Director of Training

Shawn T. Johnson

President, CEO

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



American Traffic Safety Services Association ATSSA.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

John Krebs

has attended

Traffic Control Supervisor-LA State Specific

Training Course

11/30/2022 to 11/30/2026
Training Valid Through

Baton Rouge, LA
Location

Ronja Smith

Director of Training

Shawn T. Johnson

President, CEO

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



American Traffic Safety Services Association ATSSA.com



U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training

John Krebs

has participated in

**NHI Course No. 130055 -
Safety Inspection of In-Service Bridges**

hosted by

LA DOTD/LTRC

Date: April 30-May 11, 2012 **Hours of Instruction:** 67

Location: Baton Rouge, LA

William R. Darden PE
Instructor

Allison Landry
Local Coordinator

Richard Barnaby
Richard Barnaby, Director
National Highway Institute



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U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training

KUNAL MALPANI

has participated in

FHWA-NHI-130055 Safety Inspection of In-Service Bridges

hosted by

Office of State Aid Road Construction

Date: July 14-25, 2014 **Hours of Instruction:** 67

Location: Jackson, Mississippi

Denise L. Goff
Instructor

Marie Allbritton
Local Coordinator

William R. Darden PE
Instructor

Richard Barnaby
Richard Barnaby, Director
National Highway Institute



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U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training

John P. Krebs

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Office of State Aid Road Construction

Date: August 30-September 01, 2022 **Hours of Instruction:** 18

Location: Ridgeland, MS

John A. Williams
Instructor

Marie V. Allbritton
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute



nhi national
highway
institute



U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training

Kunal Malpani

has successfully completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

**Louisiana Department of Transportation and
Development**

Date: June 25-27, 2024 **Hours of Instruction:** 22

Location: Baton Rouge, LA

Mark Nyerges Digitally signed by Mark Nyerges
Date: 2024.07.10 15:35:44 -0400
Instructor

Earl Dubin Digitally signed by Earl Dubin
Date: 2024.07.11 10:19:31 -0400
Instructor

Allison Landry
Local Coordinator

Stacey Caston
Stacey Caston, Director
National Highway Institute



nhi national
highway
institute



National Highway Institute
Certificate of Training



HEATHER DEARE

has Successfully Completed

FHWA-NHI-130078

Fracture Critical Inspection Techniques for Steel Bridges

hosted by

LA DOTD/LTRC

Date: October 24-27, 2023

Hours of Instruction: 25

Location: Baton Rouge, LA

Brian J. Dattuech
 Instructor

MT
 Instructor

Allison H. Landry
 Local Coordinator

Stacey J. Caston
 Stacey J. Caston, Director
 National Highway Institute

Stacey J. Caston, Director
 National Highway Institute



National Highway Institute
Certificate of Training



HEATHER PATTON

has participated in

**FHWA-NHI-130056 Safety Inspection of In-Service Bridges
 for Professional Engineers**

hosted by

LA DOTD/LTRC

Date: May 13-17, 2019

Hours of Instruction: 34

Location: Baton Rouge, LA

William A. Gardner PE
 Instructor

Ronald L. ... PE
 Instructor

Allison H. Landry
 Local Coordinator

Michael Davies
 Michael Davies, Director
 National Highway Institute



National Highway Institute
Certificate of Training



HEATHER DEARE

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: January 10-12, 2023

Hours of Instruction: 18

Location: Baton Rouge, LA

Justin M. ...
 Instructor

Ronald L. ...
 Instructor

Allison H. Landry
 Local Coordinator

Thomas Harman
 Thomas Harman, Director
 National Highway Institute

Thomas Harman, Director
 National Highway Institute

6/25/26, 1:31 PM

Certificate



Heather Deare

has attended
 Louisiana Traffic Control Technician

Completed: 26-MAY-2026

CEU (If Applicable): 0.75

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This certificate provides proof of training, not certification.

American Traffic Safety Services Association
 ATSSA.com



Heather Deare
has attended
Louisiana Traffic Control Supervisor

Completed: 28-MAY-2026

CEU (If Applicable): 1.5

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

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com



U.S. Department of Transportation
Federal Highway Administration



CERTIFICATE OF TRAINING

Carl Gaudry

has successfully completed

NHI Course 130053

Bridge Inspection Refresher Training

Date: 05/14/2026

Instructional Hours: 22

Location: Baton Rouge

Instructor(s): Caillein MacDougall, Brett Sposito

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute



Certificate of Training

CARL GAUDRY

has participated in

**FHWA-NHI-130056 Safety Inspection of In-Service Bridges
for Professional Engineers**

hosted by

LA DOTD/LTRC

Date: October 11-15, 2021

Hours of Instruction: 34

Location: Baton Rouge, LA

[Signature]

Instructor

Regison H. Landry

Local Coordinator

[Signature]

Instructor

Thomas Hamman

Thomas Hamman, Director
National Highway Institute



Carl Gaudry
has attended
Louisiana Traffic Control Supervisor

Completed: 28-MAY-2026

CEU (If Applicable): 1.5

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

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com



Carl Gaudry
has attended
Louisiana Traffic Control Technician

Completed: 26-MAY-2026

CEU (If Applicable): 0.75

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

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com






National Highway Institute *Certificate of Training*

Ryan Nataluk
has participated in
Safety Inspection of InService Bridges
hosted by
Colorado Department of Transportation

Location: Denver, Colorado **Hours of instruction:** 10 days

Date: April 24 – May 5, 2006

Moges Ayale
Instructor
Director, National Highway Institute
Federal Highway Administration

Mo Chay
Coordinator
Director, Office of Professional and Corporate Development
Federal Highway Administration




National Highway Institute *Certificate of Training*

Ryan Nataluk
has participated in
Fracture Critical Inspection Techniques for Steel Bridges
hosted by
Colorado Department of Transportation

Location: Denver, Colorado **Hours of instruction:** 3.5 days

Date: January 24-27, 2005

Thomas H. Ryan
Instructor
Director, National Highway Institute
Federal Highway Administration

Mo Chay
Coordinator
Director, Office of Professional Development
Federal Highway Administration




National Highway Institute *Certificate of Training*

Ryan Nataluk
has Successfully Completed
FHWA-NHI-130053 Bridge Inspection Refresher Training
hosted by
Colorado Department of Transportation

Date: March 28-30, 2023 **Hours of Instruction:** 18

Location: Denver, CO

David M. Harman
Instructor
Thomas Harman, Director
National Highway Institute

Thomas Harman
Local Coordinator
Thomas Harman, Director
National Highway Institute



**Rope Access Certification
Level 1**

Ryan Nataluk

SPRAT Certification # 110325
Date of Birth: 10 MAY 1974
Certification Date: 9 FEB 2024
Expiration Date: 9 FEB 2027



Society of Professional Rope Access Technicians
994 Old Eagle School Road, Suite 1019; Wayne, PA 19087-1866
610-971-4850 (phone) info@sprat.org www.sprat.org



U.S. Department of Transportation
Federal Highway Administration



CERTIFICATE OF TRAINING

Dominick DeJohn

has successfully completed
NHI Course 130078

Bridge Inspection Techniques for Nonredundant Steel Tension Members (NSTM)

Date: 04/02/2026

Instructional Hours: 20

Location: Richmond

Instructor(s): Noelle Ziobro, Rodolfo Maruri

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration



National Highway Institute

Certificate of Training

Robert Catron

has participated in

**FHWA-NHI-130056 Safety Inspection of In-Service Bridges
for Professional Engineers**

hosted by

Texas Department of Transportation

Date: June 25 -29, 2018

Hours of Instruction: 34

Location: Austin, TX

Stacey J. Caston PE.

Instructor

Valerie Briggs

Local Coordinator

Rodolfo Maruri PE

Instructor

Valerie Briggs

Valerie Briggs, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration



National Highway Institute

Certificate of Training

Dominick DeJohn

has Successfully Completed

**FHWA-NHI-130053 Bridge Inspection Refresher Training
(SNBI)**

hosted by

Kentucky Transportation Cabinet

Date: January 23-25, 2024

Hours of Instruction: 22

Location: Frankfort, KY

William R. Davidson PE

Instructor

Stacey J. Caston

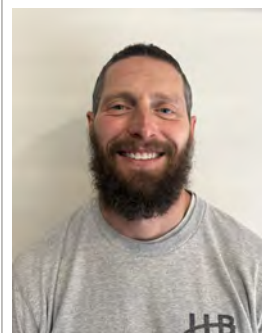
Instructor

Stacey J. Caston

Local Coordinator

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute



SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

Rope Access Certification



Acknowledges that

ROBERT VICTOR CATRON

has successfully completed the evaluation and written test
in accordance with SPRAT's Rope Access Certification Requirements
and is a certified

Level 3 Technician

SPRAT #130619

AWARDED: 06 February, 2026

Expires: 10 March, 2029

David Sartoni

DAVIDE SARTONI, EVALUATIONS COMMITTEE CHAIR

Matt Hunt

MATT HUNT, SPRAT PRESIDENT

SPRAT's [Technician Verification System](#) may be used to verify the accuracy of data on this certificate.
©2012 - Present; Society of Professional Rope Access Technicians



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Robert Catron

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training (SNBI)

hosted by
Kentucky Transportation Cabinet

Date: January 23-25, 2024 Hours of Instruction: 22
Location: Frankfort, KY

[Signature]
Instructor

[Signature]
Local Coordinator

William R. Gaudin
Instructor

Stacey J. Caston
Stacey J. Caston, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

TYLER CARSON

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training (SNBI)

hosted by
Nevada Department of Transportation

Date: January 16-18, 2024 Hours of Instruction: 22
Location: Carson City, NV

[Signature]
Instructor

[Signature]
Local Coordinator

Stacey J. Caston
Stacey J. Caston, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Robert Catron

has Successfully Completed

FHWA-NHI-130078

Fracture Critical Inspection Techniques for Steel Bridges

hosted by
Illinois Department of Transportation

Date: November 29- December 2, 2022 Hours of Instruction: 25
Location: Springfield, Illinois

[Signature]
Instructor

[Signature]
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Tyler J. Carson

has participated in

FHWA-NHI-130055 Safety Inspection of In-Service Bridges

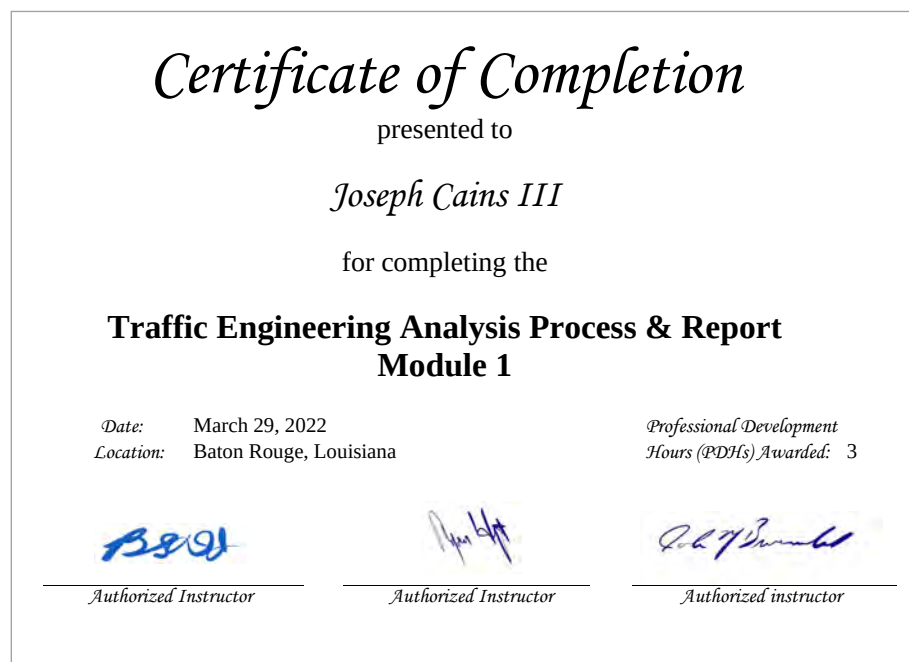
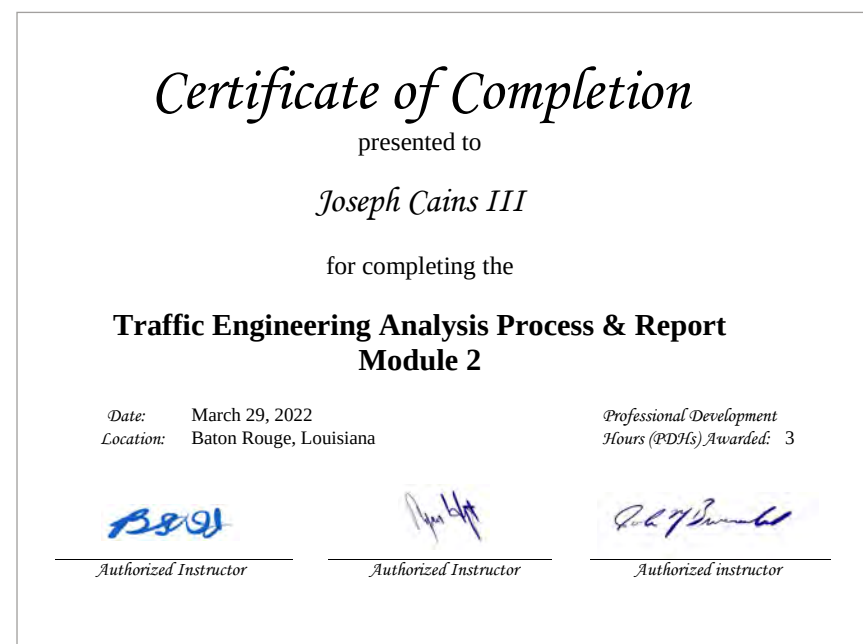
hosted by
Colorado Department of Transportation

Date: April 15-26, 2019 Hours of Instruction: 67
Location: Denver, CO

[Signature] PE
Instructor

[Signature]
Local Coordinator

Michael Davies
Michael Davies, Director
National Highway Institute





Joseph Cains III
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 29-MAY-2026

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association
ATSSA.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Mary O'Rourke
has attended
Traffic Control Supervisor-LA State Specific
Training Course

2/8/2023 to 2/8/2027
Training Valid Through

Baton Rouge, LA
Location

Donna H. Clark
Vice President of Education and Technical Services

Sharon Tereshko
President, CEO

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



American Traffic Safety Services Association ATSSA.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Mary O'Rourke
has attended
Traffic Control Technician-LA State Specific
Training Course

2/7/2023 to 2/7/2027
Training Valid Through

Baton Rouge, LA
Location

Donna H. Clark
Vice President of Education and Technical Services

Sharon Tereshko
President, CEO

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



American Traffic Safety Services Association ATSSA.com



Nicholas Prudhomme
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 29-MAY-2026

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association
ATSSA.com



LOUISIANA ASSOCIATED GENERAL CONTRACTORS, INC.

686 North Street – Baton Rouge, LA 70802
 Phone: 225/344-0432 * Fax: 225/344-0458
 www.lagc.org

June 25, 2026

To Whom It May Concern,

This is to verify that the listed employees of *Stantec* have successfully completed LADOTD required ATSSA Traffic Control Training.

ATSSA Traffic Control Technician and Supervisor Training – Scott Hoffeld

ATSSA Traffic Control Technician and Supervisor Training – Andy Griffith

ATSSA Traffic Control Supervisor Refresher– Joseph Lefante

This letter will serve as temporary proof of training until above listed employees receive their official certificates from American Traffic Safety Services Association (ATSSA).

If there are any questions regarding this issue, please contact Mr. Brett Morgan of LADOTD at Headquarters in Baton Rouge, LA (225-379-1584) or Aubrie Rosevear at the above captioned address.

Best Regards,

Reldon Owens- LAGC Chief Executive Officer

Certificate of Completion

presented to

Joey Lefante

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2

Joey Lefante
Authorized Instructor

Joey Lefante
Authorized Instructor

Joey Lefante
Authorized instructor



Certificate of Completion

presented to

Joey Lefante

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3

Joey Lefante
Authorized Instructor

Joey Lefante
Authorized Instructor

Joey Lefante
Authorized instructor



Certificate of Completion

presented to

Joey Lefante

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



Certificate of Completion

presented to

Scott Hoffeld

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: March 10, 2021
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



Hannah Krebs

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 29-MAY-2026

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association
ATSSA.com

Certificate of Completion

presented to

Scott Hoffeld

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: March 10, 2021
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



Certificate of Completion

presented to

Scott Hoffeld

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: March 11, 2021
Location: Baton Rouge, Louisiana

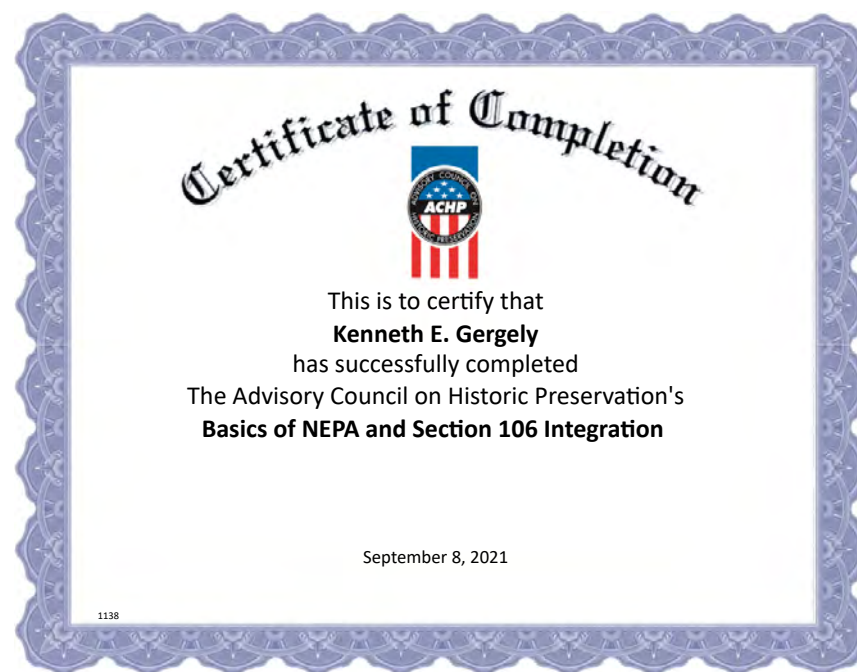
Professional Development
Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor





Transportation Research Board
RCEP Registered Continuing Education Provider

Certificate of Completion

This certificate is presented to

Adrienne Campbell

for successfully completing

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

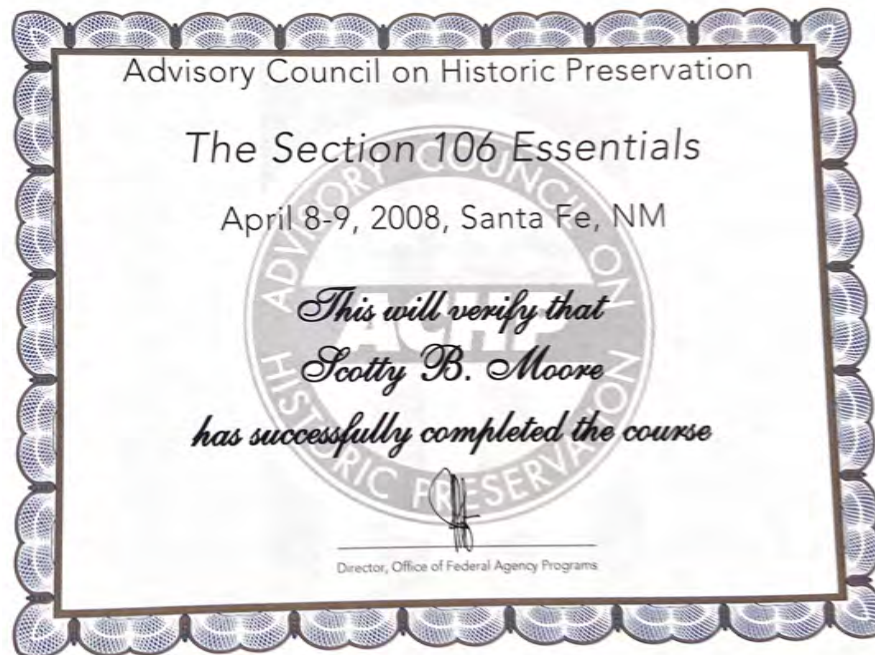
Number of Professional Development Hours (PDHs) Earned: 1.50

Date: Apr 11, 2019

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

Transportation Research Board
500 Fifth Street NW
Washington, DC 20001





Preferred Contact Information

Employer	Stantec
Professional Title	Senior Archeologist
City	Houston
US State/Territory or Canadian Province	Texas
Zip Code / Postal Code	77009
Country	United States
RPA Reg Number	13500
I affirm that I will abide by the Register's Code of Conduct and Standards of Research Performance	☒ I agree



The Register of Professional Archaeologists

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Scotty Moore [SEND MESSAGE](#)

Stantec

Member profile details

Membership level	RPA (Founding)
First name	Scotty
Last name	Moore
Highest Degree	Masters

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

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

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

SPR 2018

Course Description Attempted Earned Grade Points ANTH 104 Cultural Anthropology 3.000 3.000 A 12.000 Attempted Earned GPA Units Points

Term GPA 4.000 Term Totals 3.000 3.000 3.000 12.000

HSU GPA 4.000 HSU Totals 3.000 3.000 3.000 12.000

Cumulative GPA 4.000 Cum Totals 3.000 3.000 3.000 12.000

Good Standing

SUM 2018

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

Term GPA 4.000 Term Totals 7.000 7.000 7.000 28.000

HSU GPA 4.000 HSU Totals 10.000 10.000 10.000 40.000

Cumulative GPA 4.000 Cum Totals 10.000 10.000 10.000 40.000

Good Standing

FALL 2018

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

Term GPA 4.000 Term Totals 9.000 9.000 8.000 32.000

HSU GPA 4.000 HSU Totals 19.000 19.000 18.000 72.000

Cumulative GPA 4.000 Cum Totals 19.000 19.000 18.000 72.000

SPR 2019

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

Term GPA 0.000 Term Totals 14.000 0.000 0.000 0.000

HSU GPA 4.000 HSU Totals 33.000 19.000 18.000 72.000

Cumulative GPA 4.000 Cum Totals 33.000 19.000 18.000 72.000

Postbaccalaureate Career Totals

Attempted Earned GPA Units Points

HSU GPA: 4.000 HSU Totals 33.000 19.000 18.000 72.000

Cumulative GPA 4.000 Cum Totals 33.000 19.000 18.000 72.000

End of Transcript



CIVIL DESIGN & CONSTRUCTION, INC.

 **LOUISIANA**
SECRETARY OF STATE **NANCY LANDRY**

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Name	Type	City	Status
CIVIL DESIGN & CONSTRUCTION, INC.	Business Corporation	PORT ALLEN	Active

Previous Names
Business: CIVIL DESIGN & CONSTRUCTION, INC.
Quarter Number: 35961196D
Registration Date: 6/15/2005

Home Address
 3251 SOUTHERN PACIFIC ROAD
 PORT ALLEN, LA 70767

Mailing Address
 P O BOX 857
 PORT ALLEN, LA 70767

Principal Office Address
 3251 SOUTHERN PACIFIC ROAD
 PORT ALLEN, LA 70767

Status
Status: Active
Annual Report Status: In Good Standing
Effective Date: 6/15/2005
Last Report Filed: 5/18/2026
Type: Business Corporation

Registered Agent(s)

 **American Traffic Safety Services Association**
 SAFER ROADS SAVE LIVES

This is to affirm that

CHRIS BALLARD

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Debbie Purcella

Issue Date: 2/29/2024
Exp. Date: 2/29/2028
State Issued: LA

Instructor Name
Debbie Purcella
Instructor Signature

V0000287042 [Verify at Flagger.com](#)

 **ATSSA**
 Safer Roads Save Lives

Christopher Ballard

has attended

Louisiana Traffic Control Supervisor Refresher

Completed: 14-MAR-2025

CEU (If Applicable): 0.75

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

 **ATSSA**
 Safer Roads Save Lives

Scott Benton

has attended

Louisiana Traffic Control Supervisor Refresher

Completed: 23-FEB-2024

CEU (If Applicable): 0.75

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



ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

SCOTT BENTON

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 2/2/2024 Instructor Name Debbie Purcella

Exp. Date 2/2/2028 *Debbie Purcella*

State Issued LA Instructor Signature

V0000258961 Verify at Flagger.com

ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

MADISON MILLS

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 8/1/2023 Instructor Name Debbie Purcella

Exp. Date 8/1/2027 *Debbie Purcella*

State Issued LA Instructor Signature

V0000201560 Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Madison Mills
has attended
Louisiana Traffic Control Supervisor
Training Course

7/12/2023 to 7/12/2027
Training Valid Through

Baton Rouge, LA
Location

Wanda H. Smith
Vice President of Education and Technical Services

John T. Smith
President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA
Safer Roads Save Lives

Jacob Stoehr
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 14-MAR-2025

CEU (If Applicable): 0.75

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

ATSSA American Traffic Safety Safer Roads Save Lives Services Association	
This is to affirm that	
JAKE STOEHR has satisfied the requirements to be designated as a CERTIFIED FLAGGER	
Issue Date <u>6/2/2025</u>	<u>Debbie Purcella</u> Instructor Name
Exp. Date <u>6/2/2029</u>	<u>Debbie Purcella</u> Instructor Signature
State Issued <u>LA</u>	
V00000310008	Verify at Flagger.com

ECM CONSULTANTS, LLC

Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
ECM CONSULTANTS, LLC	Limited Liability Company (Non-Louisiana)	DOVER	Active

Previous Names
 Business: ECM CONSULTANTS, LLC
 Charter Number: 47022374Q
 Registration Date: 5/12/2026

Domicile Address
 8 THE GREEN
 STE A
 DOVER, DE 19901

Mailing Address
 1301 CLEARVIEW PARKWAY
 STE 200
 METAIRIE, LA 70001

Principal Business Office
 1301 CLEARVIEW PARKWAY
 STE 200
 METAIRIE, LA 70001

Registered Office in Louisiana
 3867 PLAZA TOWER DR.
 BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana
 1301 CLEARVIEW PARKWAY
 STE 200
 METAIRIE, LA 70001

Status
 Status: Active
 Annual Report Status: In Good Standing
 Qualified: 5/12/2026
 Last Report Filed: N/A
 Type: Limited Liability Company (Non-Louisiana)

ATSSA American Traffic Safety Services Association
 SAFER BRIDGE HAVE LIVES

This is to affirm that

Emilio Rodriguez
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 8/3/2022 ATSSA
 Exp. Date 8/25/2026 Instructor Name Kimberly H. Landry
 State Issued LA Instructor Signature Kimberly H. Landry

A1000098801 Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING
 THIS CERTIFICATE HEREBY RECOGNIZES THAT

Emilio Rodriguez
 has attended
Traffic Control Supervisor Refresher-LA State Specific
 Training Course

8/5/2022 to 8/5/2026
 Training Valid Through

Baton Rouge, LA
 Location

Kimberly H. Landry
 Director of Training
Shawn T. Tisdale
 President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Certificate of Attendance
Emilio Rodriguez
 has participated in
Movable Bridge Inspection Workshop
 and has been awarded 15 Professional Development Hours
 November 7-9, 2012 Houma, Louisiana

Kimberly H. Landry
 Authorized By

Research, Technology Transfer, Education & Training





Michael Waller
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 10-JAN-2025

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association
ATSSA.com



National Highway Institute
Certificate of Training



M. David Waller

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

Issued by

Office of State Aid Road Construction

Date: August 30-September 01, 2022

Hours of Instruction: 18

Location: Ridgeland, MS

John A. Waller
Instructor

Marie Vallotton
Local Coordinator

Thomas Harman
Instructor

Thomas Harman
Thomas Harman, Director
National Highway Institute



State of Louisiana
Department of Transportation and Development

This certificate is presented to

M. David Waller

for successfully completing
**The Local Public Agency (LPA) Qualification Program:
Construction, Engineering, & Inspection (CE&I)
Training (Parts 1-9) on**

05/09/2025



State of Louisiana
Department of Transportation and Development

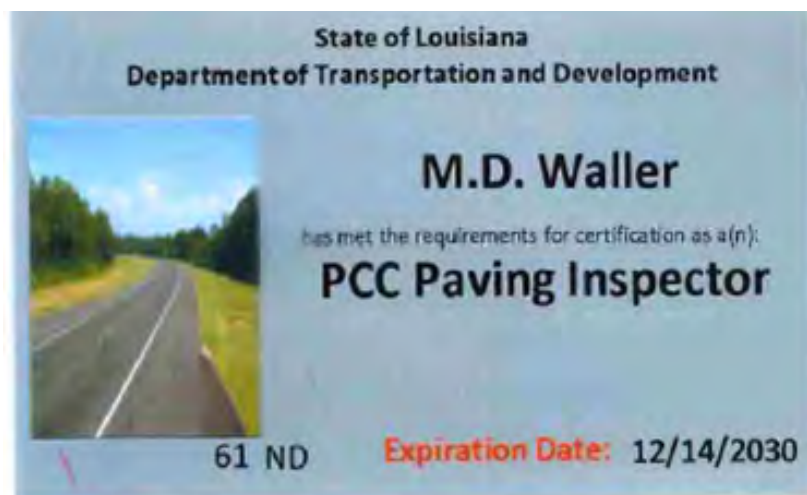
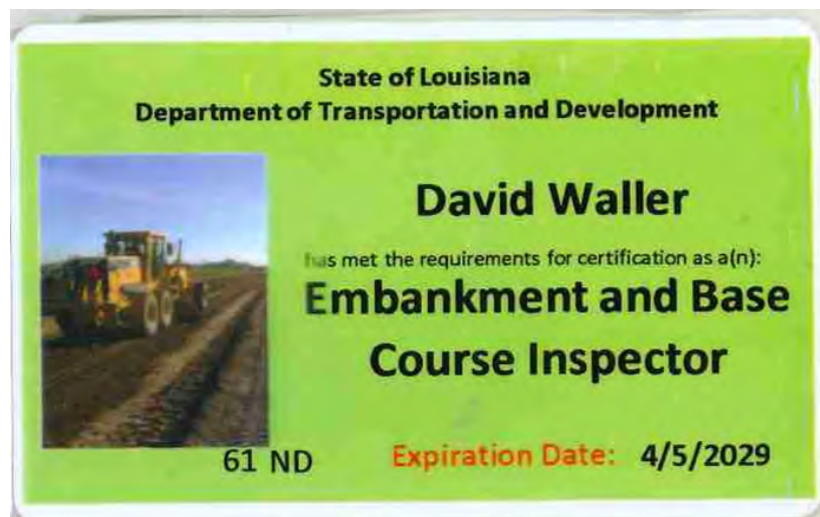
M D Waller

has met the requirements for certification as a(n):

**ACM Paving
Inspector/Technician**

61 ND

Expiration Date: 3/9/2031





State of Louisiana
Department of Transportation and Development

This certificate is presented to

Zachary Collier

for successfully completing
The Local Public Agency (LPA) Qualification Program:
Construction, Engineering, & Inspection (CE&I)
Training (Parts 1-9) on
6/26/2025



U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute



Certificate of Training

ZACHARY COLLIER

has participated in

**FHWA-NHI-130056 Safety Inspection of In-Service Bridges
for Professional Engineers**

hosted by

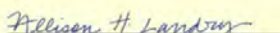
LA DOTD/LTRC

Date: October 11-15, 2021

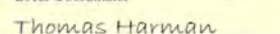
Hours of Instruction: 34

Location: Baton Rouge, LA


Instructor


Local Coordinator


Instructor


Thomas Harman, Director
National Highway Institute

FORTE AND TABLADA, INC.

Louisiana
SECRETARY OF STATE **NANCY LANDRY**

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

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

Domicile Address
9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Mailing Address
9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Principal Office Address
9107 INTERLINE AVE.
BATON ROUGE, LA 70809

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

Registered Agent(s)
Agent: JUSTIN T. MANNINO
Address 1: TAYLOR, PORTER, BROOKS & PHILLIPS, L.L.P.
Address 2: 450 LAUREL STREET, 8TH FLOOR
City, State, Zip: BATON ROUGE, LA 70801
Appointment Date: 8/21/2020

ATSSA American Traffic Safety Services Association
TAKE IT EASY. HAVE LIFE.

This is to affirm that

Joffrey Easley
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date: 4/13/2023
Exp. Date: 4/12/2027
State Issued: LA

ATSSA
Instructor Name
Instructor Signature
Verify at Flagger.com

A1000125103

ATSSA TRAINED

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Joffrey Easley
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/7/2023 to 4/7/2027
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services
President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Mead & Hunt

In cooperation with the
Louisiana Department of Transportation & Development
presents this

Certificate of attendance and participation for:

Joffrey Easley

Training Course:
Maintenance and Rehabilitation of Historic Bridges

Transportation Training and Education Center
4099 Gaurier Avenue, Room 175
Baton Rouge, Louisiana 70806

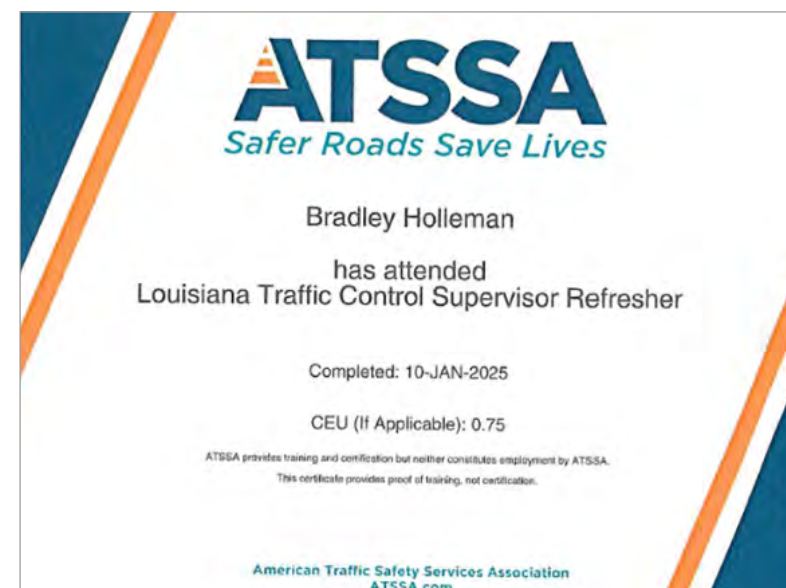
You have earned 8 PDH units that can be applied to applicable continuing education requirements for professional engineering licensure.

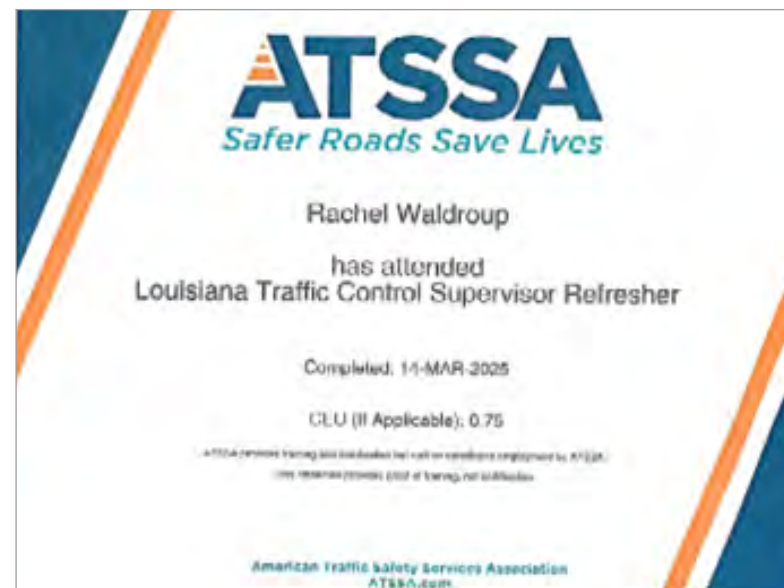
Meade & Hunt
Amy Squitieri
Meade & Hunt Instructor

Meade & Hunt
Daniel Berry, PE, SE

Please select the date you attended the course

☐ Tuesday, April 12, 2016
☐ Wednesday, April 13, 2016
☒ Tuesday, May 10, 2016
☐ Wednesday, May 11, 2016
☐ Tuesday, June 7, 2016
☐ Wednesday, June 8, 2016







GEOENGINEERS, INC.



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Name	Type	City	Status
GEOENGINEERS, INC.	Business Corporation (Non-Louisiana)	REDMOND	Active

Previous Names

GEOENGINEERS OF WASHINGTON, INC. (Changed: 1/12/2009)

Business: GEOENGINEERS, INC.
Charter Number: 36479804F
Registration Date: 6/22/2007

Domicile Address

17425 NE UNION HILL RD STE 250
REDMOND, WA 980523375

Mailing Address

17425 NE UNION HILL RD STE 250
REDMOND, WA 98052

Principal Business Office

17425 NE UNION HILL RD STE 250
REDMOND, WA 98052

Registered Office in Louisiana

201 RUE BEAUREGARD, STE. 202
LAFAYETTE, LA 70508

Principal Business Establishment in Louisiana

11923 SUN BELT COURT
BATON ROUGE, LA 70809

Status

Status: Active
Annual Report Status: In Good Standing
Qualified: 6/22/2007
Last Report Filed: 5/24/2026
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent: REGISTERED AGENTS INC
Address 1: 201 RUE BEAUREGARD, STE. 202
City, State, Zip: LAFAYETTE, LA 70508
Appointment Date: 11/8/2023

THOMPSON ENGINEERING, INC., OF LOUISIANA



Louisiana

SECRETARY OF STATE

NANCY LANDRY



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name	Type	City	Status
THOMPSON ENGINEERING, INC., OF LOUISIANA	Business Corporation (Non-Louisiana)	MOBILE	Active

Previous Names

THOMPSON ENGINEERING TESTING, INC. (Changed: 3/24/2004)

Business: THOMPSON ENGINEERING, INC., OF LOUISIANA

Identifier Number: 35015664F

Registration Date: 12/15/2000

Principal Address

2970 COTTAGE HILL RD., STE. 190

MOBILE, AL 36606

Mailing Address

PO BOX 9637

MOBILE, AL 36691

Principal Business Office

2970 COTTAGE HILL RD., STE. 190

MOBILE, AL 36606

Registered Office in Louisiana

4937 HEARST STREET

SUITE 1B

METAIRIE, LA 70001

Principal Business Establishment in Louisiana

4937 HEARST STREET, SUITE 1B

METAIRIE, LA 70001

Status

Active

State of Louisiana

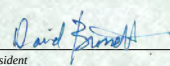
Board of Architectural Examiners

The individual whose name appears on this certificate is in compliance with the provisions of the Louisiana State Board of Architectural Examiners' Licensing Law and Rules and Regulations and is duly registered and entitled to practice architecture in the State of Louisiana.

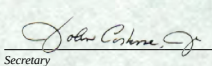
LICENSE NO. 6837

EXPIRES December 31, 2026

Alton Ochsner Davis, AIA, NCARB, ICC



President



Secretary



Executive Director

December 23, 2025

\$90.00

Date

Fee Paid

THIS LICENSE EXPIRES ON THE DATE LISTED ABOVE



Safer Roads Save Lives

David Dupre

has attended

National Flagger Certification Training Course

Completed: 25-JUL-2025

CEU (If Applicable): 0.35

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

This certificate provides proof of training, not certification.

American Traffic Safety Services Association

ATSSA.com



Safer Roads Save Lives

David Dupre

has attended

Louisiana Traffic Control Supervisor Refresher

Completed: 18-APR-2025

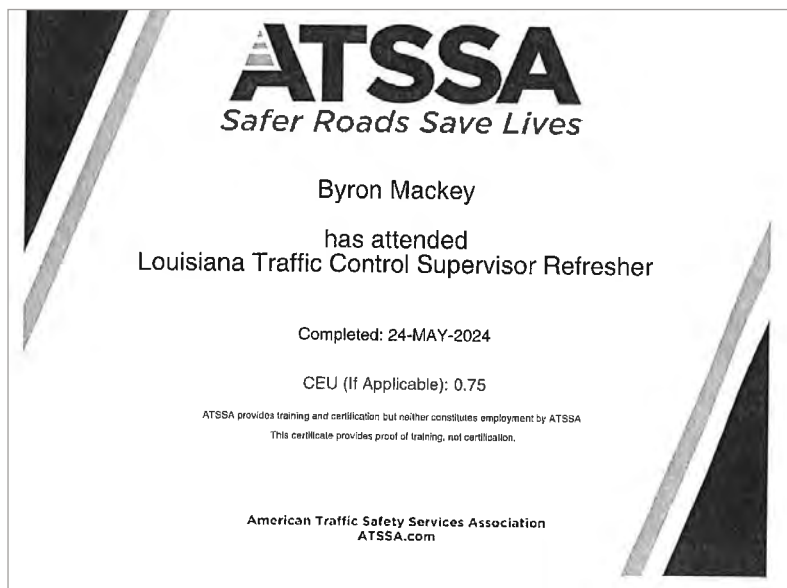
CEU (If Applicable): 0.75

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American Traffic Safety Services Association

ATSSA.com





Byron Mackey ATSSA Flagger Certificate

National ATSSA Flagger Exam Add-On
Course ID: 10001002-FLG-ADD

Successful Completed on: 03-JUN-2026

LAUNCH

Progress and Activities Overview & Other Information History

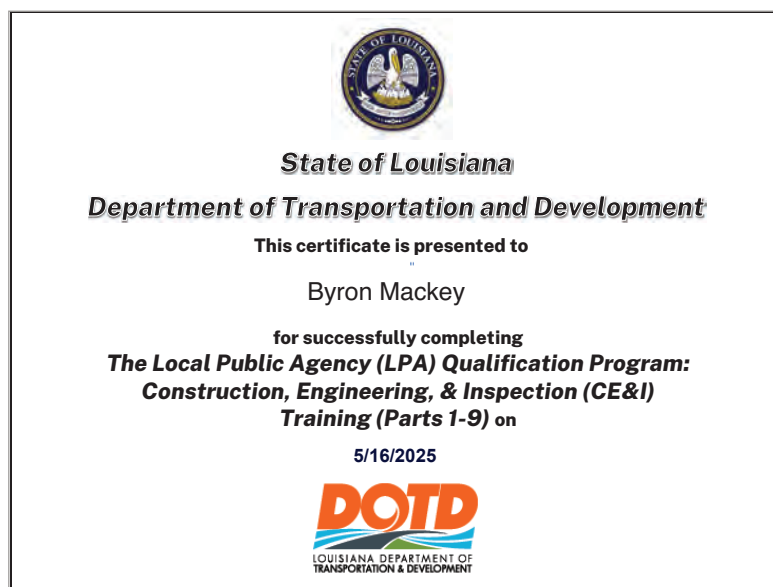
English | Web-Based | Class ID: WBT1047
Total duration: 01:30 Hrs
Score: 96
Cancellation policy
Cancellation charge of 100.0 % if dropped 0 day(s) after order.

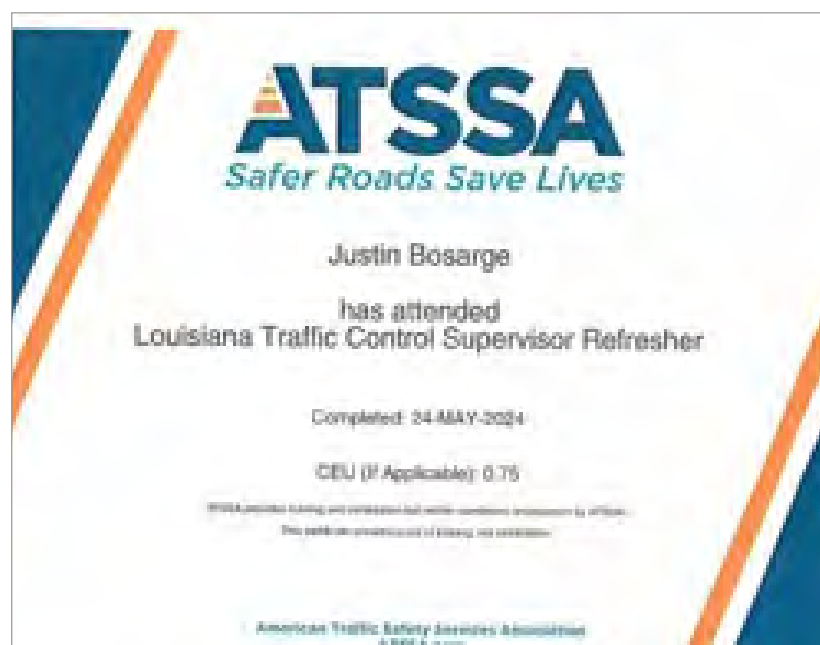
Activities

National Flagger Certification Exam Completed
Passing score: 70
Score: 96
Expires on: 31-AUG-2026 23:59 PM EDT
Completed on: 03-JUN-2026 14:34 PM EDT
No content attempts available

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WISS, JANNEY, ELSTNER ASSOCIATES, INC.

Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
WISS, JANNEY, ELSTNER ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	NORTHBROOK	Active

Previous Names

Business: WISS, JANNEY, ELSTNER ASSOCIATES, INC.
 Charter Number: 34520200F
 Registration Date: 3/4/1996

Domicile Address
 330 PFINGSTEN RD.
 NORTHBROOK, IL 60062

Mailing Address
 330 PFINGSTEN RD.
 NORTHBROOK, IL 60062

Principal Business Office
 330 PFINGSTEN RD.
 NORTHBROOK, IL 60062

Registered Office in Louisiana
 8550 UNITED PLAZA BLVD., SUITE 702
 BATON ROUGE, LA 70809

Principal Business Establishment in Louisiana
 5515 CORPORATE BLVD., STE. 400B
 BATON ROUGE, LA 70808

Status
 Status: Active
 Annual Report Status: In Good Standing
 Qualified: 3/4/1996
 Last Report Filed: 2/27/2025
 Type: Business Corporation (Non-Louisiana)

Registered Agent(s)
 Agent: LEGALINC CORPORATE SERVICES INC.
 Address 1: 8550 UNITED PLAZA BLVD., SUITE 702
 City, State, Zip: BATON ROUGE, LA 70809
 Appointment Date: 6/26/2022

U.S. Department of Transportation
Federal Highway Administration

nhi national highway institute

CERTIFICATE OF TRAINING

Steven Lauer
has successfully completed

Bridge Inspection Refresher Training

Date: 09/11/2025 Instructional Hours: 22 hours
 Location: Springfield, IL
 Instructor(s): Finn Hubbard, Andy Packard

Stacey J. Caston
Stacey J. Caston, Director
National Highway Institute

AMPP The Global Leaders in Materials Protection and Performance

This certifies that **Leonard L. Phelps, PCS**

has fulfilled the examination and experience requirements of the SSPC Protective Coatings Specialist Program (PCS)

Helena Sulinger
Executive Director AMPP

Certified: 12/14/2021
Expires: 12/31/2029
Certification ID#: 2021-014-012

SSPC Protective Coatings Specialist ★

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Steve Lauer
has participated in
FHWA - NHI - COURSE 130055
Safety Inspection of In-Service Bridges
 Sponsored by
 Structural Engineers Assn. of Illinois/SEI - IL Chapter

Date: May 2-13, 2011 Hours of Instruction: 50
 Location: Chicago, IL

William R. Hudson
Executive Director
National Highway Institute

Jason Krohn
Executive Director
National Highway Institute






National Highway Institute

Certificate of Training

Curtis Schroeder

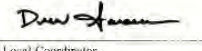
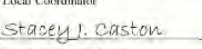
has participated in

**FHWA-NHI-130053 Bridge Inspection Refresher Training
(SNBI)**

hosted by

Collins Engineers, Inc.

Date: June 11, 2024 - June 13, 2024	Hours of Instruction: 22 Hours
Location: Chicago, IL	

 Instructor	 Local Coordinator
 Instructor	 Stacey J. Caston, Director National Highway Institute




National Highway Institute

Certificate of Training

Curtis Schroeder

has participated in

**FHWA-NHI 130078 Fracture Critical Inspection Techniques
for Steel Bridges**

hosted by

Bi-State Development Agency

Date: February 18-21, 2025	Hours of Instruction: 28
Location: St. Louis, MO	

 Instructor	 Local Coordinator
 Instructor	 Michael H. Smith, Jr. Director, National Highway Institute




National Highway Institute

Certificate of Training

Curtis J. Schroeder

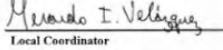
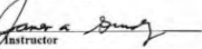
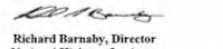
has participated in

FHWA-NHI-130055 Safety Inspection of In-Service Bridges

hosted by

HQ Installation Management Command

Date: 9-20 July 2012	Hours of Instruction: 60
Location: Fort Leonard Wood, MO	

 Instructor	 Local Coordinator
 Instructor	 Richard Barnaby, Director National Highway Institute




ASNT CERTIFICATION SERVICES LLC.

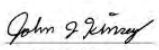
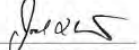
BE IT KNOWN THAT

Curtis Schroeder

has met the established and published Requirements for Certification by
ASNT Certification Services LLC. in the following Nondestructive Testing Method:

NDT Level III Ultrasonic Testing

283886 Certificate Number	November 01, 2025 Issue Date	November 30, 2030 Expiration Date
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	 ASNT Certification Services LLC. President	 Certification Management Committee Chair
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21. QA/QC Plan:

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

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

Quality Management Plan

**CONTRACT NOS. 4400035420, 4400035421 and 4400035422
IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE**

Stantec Project No.: 201803186



Brian Johnson, P.E. – Project Manager

Document Date: June 30, 2026

Table of Contents

FOREWORD III	
REVISION SUMMARY	V
REQUIRED READING FORM	VI
SECTION 1. UNDERSTANDING OUR ROLE	7
1.1 STANTEC PHILOSOPHY AND POLICY ON QUALITY (ISO 9001 5.1, 5.2 AND 5.3)	7
1.2 QUALITY MANAGEMENT PLAN PHILOSOPHY	7
STANTEC QUALITY CONTROL/QUALITY ASSURANCE CONCEPTS & DEFINITIONS.....	9
SECTION 2. QUALIFICATIONS AND RESPONSIBILITIES OF STANTEC LEADERSHIP AND STAFF.....	12
SECTION 3. DESCRIPTION OF THE QC, QA & IR PROCESSES	16
3.1 QUALITY MANAGEMENT PLAN.....	16
3.1.1 Project Meetings.....	16
3.1.2 Process Control.....	16
3.2 QUALITY CONTROL	17
3.2.1 Five Step Procedure.....	18
3.2.2 Quality Control (LADOTD Bridge Requirements).....	18
3.3 QUALITY ASSURANCE.....	19
3.4 INDEPENDENT REVIEW AND CONSTRUCTABILITY REVIEW.....	19
3.4.1 Document and Data Control	20
3.4.2 Control of Sub-Contracted Work.....	20
3.4.3 Control and Correction of Non-Conforming Work	20
3.5 PROJECT DESCRIPTION AND SCOPE	20
3.5.1 Disciplines/Tasks.....	20
3.5.2 Specifications and Standards	22
3.5.3 Project Schedule	22
SECTION 4. QUALITY MANAGEMENT (QC/QA) PERSONNEL	24
APPENDIX A20: GUIDELINES FOR DOCUMENT PREPARATION.....	25
APPENDIX B: GUIDELINES FOR PROCESSES	35
APPENDIX C: QC CHECKLIST & COMMENT FORMS	36
APPENDIX D: QA CHECKLIST & COMMENT FORMS	39
APPENDIX E: INDEPENDENT REVIEW & COMMENT FORM.....	41
APPENDIX F: LADOTD BRIDGE DESIGN QC/QA PLAN	43

QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

F1:	LADOTD BRIDGE DESIGN (DESIGN CRITERIA CHECKLIST)	44
F2:	LADOTD BRIDGE DESIGN (FINAL CALCULATION BOOK CHECKLIST)	46
F3:	LADOTD BRIDGE DESIGN (QA INFORMATION PACKET CHECKLIST)	47
F4:	LADOTD BRIDGE DESIGN (QC/QA CERTIFICATION)	48
F5:	LADOTD BRIDGE DESIGN (PEER REVIEW RESOLUTION AGREEMENT)	50
F6:	LADOTD BRIDGE DESIGN (CONSULTANT PROJECT BRIDGE DESIGN KICK-OFF MEETING AGENDA CHECKLIST)	51
	APPENDIX G: NON-CONFORMANCE REPORT FORM	52

Foreword

Stantec recognizes the importance of quality for the captioned Bridge Preservation IDIQ Contract. We are committed to developing, implementing, and adhering to a detailed Quality Management Plan for all services provided as part of the Project. In addition, since the Project has a significant bridge component, our team is committed to the principles dictated in the LADOTD, Bridge Design Section, "Policy on Quality Control and Quality Assurance's Construction Plans".

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

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

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

The **goals of the QMP for this Bridge Preservation IDIQ Contract** are to:

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

QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

Particularly with respect to the bridge elements of this Bridge Preservation IDIQ Contract, the LADOTD Bridge Section has specific QC/QA processes which must be addressed. This QMP conforms to Part I – Policy and Procedures; Chapter 3 - Policy for Quality Control and Quality Assurance (QC/QA) of the current LADOTD BRIDGE DESIGN AND EVALUATION MANUAL (BDEM).

This **QMP** contains seven (7) appendices:

- APPENDIX A: GUIDELINES FOR DESIGN & DOCUMENT PREPARATION
- APPENDIX B: GUIDELINES FOR PROCESSES
- APPENDIX C: QC CHECKLIST & COMMENT FORMS
- APPENDIX D: QA CHECKLIST & COMMENT FORMS
- APPENDIX E: INDEPENDENT REVIEW & COMMENT FORM
- APPENDIX F: LADOTD BRIDGE DESIGN QC/QA PLAN
 - F1: LADOTD BRIDGE DESIGN (DESIGN CRITERIA CHECKLIST)
 - F2: LADOTD BRIDGE DESIGN (FINAL CALCULATION BOOK CHECKLIST)
 - F3: LADOTD BRIDGE DESIGN (QA INFORMATION PACKET CHECKLIST)
 - F4: LADOTD BRIDGE DESIGN (QC/QA CERTIFICATION)
 - F5: LADOTD BRIDGE DESIGN (PEER REVIEW RESOLUTION AGREEMENT)
 - F6: LADOTD BRIDGE DESIGN (CONSULTANT PROJECT BRIDGE DESIGN KICK-OFF MEETING AGENDA CHECKLIST)
- APPENDIX G: NON-CONFORMANCE REPORT FORM

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

QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

Revision Summary

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

Revision	Date	Section	Summary of Revision
1.0	06/30/2026	N/A	Transmitted to LADOTD

All members of this Bridge Preservation IDIQ Contract – Designers, Checkers, Reviewers, and Professionals of Record shall become acquainted with the contents of this document and related attachments. As a record of responsibility of the team, and a record of accountability by Stantec, this form shall be maintained on the Project.

[illegible]

SECTION 1. UNDERSTANDING OUR ROLE

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

Stantec clearly understands, and believes, that the responsibility for Quality in our services and deliverables is 100% ours. In satisfying the LADOTD's Policy on QC and QA, this QMP creates a commitment to continual improvement of project execution, product quality and the reduction of quality related costs. We believe that RESPONSIBILITY is created through processes and guidelines that are integral to our team's thinking. We believe that ACCOUNTABILITY is created through purposeful reporting and measured results by our leaders. And we believe that SUCCESS is created by our team's ownership of the **QMP**. To this end, Stantec will provide experienced leadership, specifically tasked with developing, maintaining, enhancing and monitoring the performance of the overall system of quality for the Replacement of the two (2) Bridges.

1.2 QUALITY MANAGEMENT PLAN PHILOSOPHY

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

1.3 QUALITY MANAGEMENT PLAN PRINCIPLES

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

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

1.3.1 Client Focus

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

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

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

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

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

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

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

STANTEC QUALITY CONTROL/QUALITY ASSURANCE CONCEPTS & DEFINITIONS

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

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

The following definitions of quality management, quality control and quality assurance will apply to the Replacement of the Two (2) Bridges.

Checking Stamp	An electronic or rubber stamp to be affixed on all QC documents and to be used as part of the Five Step Process for all QC Checking .
Five Step Procedure	A detailed checking procedure to be followed by all QC Checkers .
Independent Review	As part of the QA Review, an Independent Review will include one (are more) of the following: • Consistency review of the plan details to assure uniformity of design, detailing, format and presentation; • Constructability review of the plan details to identify possible design improvements to make construction easier, safer and less costly and/or reduce environmental impacts; • Operational Review to understand how the Project functions, how it can be more user friendly and easier to maintain and how the design can be made more efficient; and, • Risk review of areas of critical importance; areas where, based on the reviewer's experience, mistakes may be typically found; and areas that may be new to the design practice.
Inter-Discipline Reviews	A review focused on specific discipline elements or coordination between different disciplines – includes survey, roadway and bridge; bridge and geotechnical; roadway and traffic; etc.
Management Review Meetings	Review by Project leadership and QC/QA leadership to measure QC/QA compliance at various Project milestones. Review will also include

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

**Primary QC
Signature**

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

**Quality Control
(QC) Submittal
Checking**

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

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

**QC Design
Checking**

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

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

QC (LADOTD

In addition to the definitions above: This process involves the procedure of

Bridge Design)	checking the accuracy and consistency of calculations and drawings, detecting conflicts, design errors and omissions, and the procedure for resolution of internal comments, correcting and verification of revisions. Also, specific to bridge design, the process verifies that all bridge components are adequately designed for the specified limit states in the AASHTO LRFD Bridge Design Specifications and the LA DOTD Bridge Design Manual and Memoranda.
Quality Assurance (QA) Review	A review of QC documents to ensure that the QC process is complete and the work products (field rolls, designs, plans, cost estimates, reports, evaluations, and studies) are in accordance with the established Project practices, policies, and procedures.
QA (LADOTD Bridge Design)	In addition to the definition above: This process involves the review of the QC documents to verify that the quality control (QC) procedure has been completed in accordance with the LA DOTD Bridge QC/QA policy. In addition, the QA process verifies that the QC process was effective in preventing design and plan errors and assuring consistency.
QA Information Package	Package of Quality Control documentation submitted to the QA Reviewer. QA Information Packages will be prepared for all Project submittals and shall include appropriate designs, plans, cost estimates, reports, evaluations, or studies. QA Packages will include all QC documentation of the Project submittal such as calculations, plans, and estimates of probable construction costs and include checklists, comments and markups by the Project Professional, Design Checker and Detail Checker.
Quality Management Plan (QMP)	The documented requirements that establish and define responsibilities, performance measures, milestone audits and work procedures to ensure that the project deliverables meet predetermined requirements. It encompasses Quality Control, Quality Assurance, and Audit of the scope of work covered by the Project.

SECTION 2. QUALIFICATIONS AND RESPONSIBILITIES OF STANTEC LEADERSHIP AND STAFF

The following qualifications and responsibilities will apply to the leadership and staff of the Stantec team on the Bridge Preservation IDIQ Contract.

Designer

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

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

Detailer

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

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

Project Manager

Professional (LA licensed as required) (in most cases a Louisiana licensed PE) tasked with the duty to lead the Stantec team, with the following experience and responsibilities:

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

progression of the Project;

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

Discipline Leader

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

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

Engineer-of-Record (EOR)

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

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

QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

	• Stamp all plan sheets or designate a Designer, Design Checker, or QA Reviewer developed under their supervision. • Ensure all special provisions are accurately shown on the construction proposal and stamped by the Specification Engineer (or by the EOR).
Independent Reviewer (IR)	Engineer (LA licensed PE) responsible for conducting a totally independent review of all Project document and final deliverables. The Independent Reviewer and QA Reviewer may be the same and also occur at the same time.
QA Reviewer	Engineer, Surveyor or appropriate Professional (LA licensed PE or PLS where required) assigned QA Review responsibilities. The Reviewer must have experience related to the Project discipline.
QC Design Checker	Engineer (LA licensed PE) assigned QC Design Checking responsibilities.
QC Submittal Checker	Engineer, Surveyor or appropriate Professional (LA licensed PE or PLS where required) assigned QC Submittal Checking responsibilities.
QC/QA Leader	Engineer (LA licensed PE) responsible for coordinating the Quality Management practices across the Project and to ensure implementation of the QMP for the Project. Duties also include: • Establish Process Controls and overall QMP for QA/QC; • Provide QC and QA oversight; • Prepare Quality Audit Reports (Proof of Compliance) to track quality trends, solicits feedback from the LADOTD on quality related issues; • Attend Management Review Meetings conducted by the Project Manager and prepare report of findings and recommendations for improvement; and • Sign Delivery Release Record attesting that all QC/QA documentation has been properly completed and authorized for release of the submittal.

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

3.1 QUALITY MANAGEMENT PLAN

The Quality Management Plan for the Bridge Preservation IDIQ Contract includes formats and templates for QC and QA that have been successful on many past projects. Our QMP processes will also focus on the following:

- **High risk elements** which will include the segmental concrete superstructures, signature structures, and unique foundation systems;
- **Rigorous verification elements** such as project geometrics; and
- **Refinement elements** such as superstructures and substructures with a high level of repetition - where efficiency of detail could yield financial benefit.

3.1.1 Project Meetings

Project meetings required for the Bridge Preservation IDIQ Contract task orders are as outlined and described in the Scope of Work. All project meetings will be guided by the principles and requirements as detailed in the **Process Guideline (Project Meetings)**.

3.1.2 Process Control

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

Process control may include the following:

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

3.2 QUALITY CONTROL

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

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

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

SUBMITTAL:		
ORIGINATOR:	_____	DATE: _____
CHECKER:	_____	DATE: _____
BACKCHECKER:	_____	DATE: _____
CORRECTOR:	_____	DATE: _____
VERIFIER:	_____	DATE: _____

Checking Stamp

3.2.1 Five Step Procedure

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

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

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

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

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

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

3.2.2 Quality Control (LADOTD Bridge Requirements)

Refer to Appendix 'F' for details on completing **LDOTD Bridge QC/QA**. These procedures are tailored to satisfy the **LADOTD, Bridge Design Section, "Policy on Quality Control and Quality Assurance's Construction Plans."** These procedures augment the procedures described herein and are **required for all LDOTD Bridge work products**.

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

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

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

Particular components of the PG's will include:

- Bridge PG's – create protocols to identify software to be used, the methodology and approach to structure interactions, construction preferences for materials and methods, specific LADOTD criteria, and project specific criteria. The purpose of the PG's is to serve as clear guides to keep design efforts focused and coordinated.
- Bridge "Complex" Element PG's - will also establish protocols for elements defined as "complex" in preparing independent analyses and required calculations to ensure true independence for comparison to the original analyses and calculations used to perform a QC check of the bridge plans.

3.3 QUALITY ASSURANCE

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

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

For LADOTD Bridge Design, QA packages shall be prepared as detailed in **Appendix C**.

3.4 INDEPENDENT REVIEW AND CONSTRUCTABILITY REVIEW

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

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

3.4.1 Document and Data Control

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

These records will include the following:

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

For **LADOTD Bridge Design**, Calculation Books shall be prepared as detailed in **Appendix B**.

3.4.2 Control of Sub-Contracted Work

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

3.4.3 Control and Correction of Non-Conforming Work

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

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

3.5 PROJECT DESCRIPTION AND SCOPE

3.5.1 Disciplines/Tasks

The general scope of services for this project and the tasks to be performed by the consultant are as follows:

Task 1: Bridge Design Services

General Bridge Engineering Services

Bridge design services shall be provided for fixed and movable bridges. Bridge types may include, but are not limited to, new bridges, bridge replacements, bridge rehabilitation, bridge preventive maintenance and repair, and roadway lighting. Bridge engineering services may include the following:

- Bridge/structural inspection and evaluation of existing bridges or other structures (sign trusses, fender systems, etc.). Associated reports shall be provided as required
- As-designed, as-built, and condition bridge ratings

- Design peer review of developed plans or conceptual designs to verify concept, constructability, and accuracy of designs along with associated reports, conclusions, calculations, and recommendations as needed
- Construction engineering support including construction drawing review, shop drawing review, request for information support, contractor proposals, etc.

Sampling, Instrumentation and Non-destructive Testing

These services include the following:

Sampling

- Collection of samples
- Evaluation of protective coating material samples for determination of compatibility with proposed coatings, analysis for heavy metals, proper procedures for treatment, handling, disposal of waste, etc.

Instrumentation

- Design of instrumentation plans. Installation of instrumentation, data acquisition, analysis, and evaluation of structure based on instrumentation plan
- Provision and installation of instrumentation, including all materials required to mount the instrumentation
- Provision of data acquisition systems, software updates, power supplies, communication to data servers, data hosting services, maintenance, and data access to DOTD
- Calibration services for instrumentation systems and sensors
- Maintenance services to repair and/or replace sensors, data acquisition systems, and power supplies
- Analysis and evaluation of accumulated data and final assessments and development of corresponding reports based on data and associated calculations

Non-destructive Testing

- Proof loading
- Estimation of concrete strength
- Assessment of reinforcement condition, cover, location, and diameter
- Detection of cracks, voids, and delamination in concrete
- Assessment of steel member condition

Task 2: Geotechnical Services

Consultant shall provide geotechnical services including investigations, analysis and design. Geotechnical field investigations including both shallow and deep soil borings, laboratory testing and analysis, preparation of soil boring logs, geotechnical analysis and design based on obtained data or data furnished by the DOTD and Construction related engineering services.

Task 3: Road Design and Traffic Services

Consultant shall provide services including preliminary and final roadway design and plan development; Hydraulic analysis and design; Traffic engineering, traffic control design, and data collection; and Transportation Management Plan (TMP) development.

Task 4: Surveying and Title Work Services

Consultant shall provide surveying and title work services necessary to perform topographic, and boundary surveying, develop right-of-way maps, and provide other existing site data. The services shall include topographic surveying, 3D laser scanning, and underwater acoustical imaging, property and boundary surveying, property title work including title research and reports and Construction related surveying services.

Task 5: Bridge Inspection Services

Consultant shall provide services to perform Statewide NBIS In-Depth Inspections of complex structures. The services may include detailed in-depth field inspection on all bridge components, including an element level inspection. An NBIS underwater bridge inspection may be required for submerged elements; assessment of the coating system, conducted by a certified SSPC Protective Coating Specialist or a certified NACE Bridge Coating Inspector and In-depth inspection report outlining recommended repairs, rehabilitation, and corrections.

Task 6: Environmental and Permitting Services

Consultant shall provide environmental and permitting services necessary to obtain project permits. Required permits may include, but are not limited to, the following:

- Coastal Use permits (CUP) from the LA Department of Natural Resources
- Wetland permits (404 and Nationwide) and Section 10 permits from the US Army Corps of Engineers
- Water Quality Certification from the LA Department of Environmental Quality
- Scenic Stream permits from the LA Department of Wildlife and Fisheries
- Bridge permits from the US Coast Guard
- Levee permits from various levee boards

3.5.2 Specifications and Standards

The Scope of Services requires that this contract be in compliance with AASHTO LRFD Bridge Design Specifications, 9th Edition, Manual for Bridge Evaluation, 3rd Edition with 2018 Interim Revisions, and the Louisiana Department of Transportation and Development's guidelines, manuals and standards, as applicable to the required services.

3.5.3 Project Schedule

Services will commence upon receipt of the task work order authorization and as directed by the Department's Project Manager. The services will continue until notice is given by the Department's Project Manager to end the services or when the approved cost for the services is exhausted.

QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

Project submittals, associated schedule, and format shall be established in each Task Order. All bridge plan submittals shall be submitted in pdf format and the 100% signed final plans shall be submitted in full size paper and in pdf format. Design and rating calculations shall be submitted in pdf format no later than 30 days after the 100% final plan submittal.

SECTION 4. QUALITY MANAGEMENT (QC/QA) PERSONNEL

List of Personnel Assigned to Quality Management Tasks per Activity	Project Manager – Brian Johnson, PE
Bridge Design and Load Rating Services (Fixed and Movable)	
Designer(s)	Carl Gaudry, PE, Heather Deare, PE, Bagyalakshmi Shanmugam, PhD, EI, Mickey Harrison, PE, Joffrey Easley, PE, Steven Lauer, SE, John Williams, PE (Mechanical), Gareth Rees, PE (Electrical),
QC – Design & Plans	Robert Smith, PE, John Krebs, PE, Kunal Malpani, PE, Jonathan McGormley, PE
QA – Design & Plans & Independent Review	Brian Johnson, PE, Taylor Perkins, PE
Bridge Inspection Services	
Bridge Inspectors(s)	Ryan Nataluk, PE, Dominic DeJohn, PE, Rober Catron, PE, Heather Deare, PE, Leonard Phelps
Roadway and Traffic	
Designer(s)	Mary Frances O'Rourke, PE, Joey Lefante, PE, PTOE, Hannah Krebs, PE, Karla Weston, PE, David Dupre, PE
QC – Design & Plans	Nick Prudhomme, PE, Joseph Cains, PE
QA – Design & Plans & Independent Review	Gary Heitman, PE
Topographic, Property Surveys and Underwater imaging/ 3D Scanning	
Designer(s) and Technicians	Ross Wilson, PLS, Madison Mills, PLS, Scott Benton, Jacob Stoehr
QC – Survey Files	Bradley Holleman, PLS, Chris Ballard, PLS
QA – Survey File Review	Mary Frances O'Rourke, PE
Geotechnical	
Designer(s) and Lab Technicians	Brenda Novoa, PE, David Ely, PE
QC – Design & Plans	Larry Sant, PE
QA – Design & Plans & Independent Review	James Aronstein, PE, PLS

Appendix A20: Guidelines for Document Preparation

A.1 Purpose and Scope

- A.1.1. The purpose of these Guidelines is to establish a method for consistently delivering quality project work that meets client needs and prevents rework.
- A.1.2. These Guidelines are mandatory and apply to all project work.
- A.1.3. Methods for rework prevention include reviewing project input; checking and verifying project work by someone other than the **Originator**; conducting **Interdisciplinary Reviews**, where required; and **Approving** project work for further use or delivery.
- A.1.4. It is recognized that some projects do not result in the “traditional” deliverables of calculations, designs, contract documents, studies/reports, etc. Nonetheless, the principles underlying **Checking** and **Verification** must be applied.
- A.1.5. These Guidelines are to be supplemented by the Appendix F – **LDOTD Bridge QC/QA**.

A.2 Preparation of Calculations

A.2.1. Terms and Definitions

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

A.2.2. Procedure

A.2.2.1 Calculation Preparation

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

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

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

A.2.2.2 Computer Calculations

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

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

A.2.2.3 Revisions to Calculations

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

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

A.2.2.4 Control of Calculations

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

A.3 Preparation of Studies/Reports

A.3.1. Terms and Definitions

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

A.3.2. Procedure

A.3.2.1 Style and Format

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

A.3.2.2 Development and Review

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

A.3.2.3 Distribution and Filing

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

A.3.2.4 Changes

- (i) Technical reports and studies should be maintained current with significant changes identified during technical development.

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

A.3.2.5 Use of Photographs or Digital Images

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

A.4 Preparation of Drawings

A.4.1. Procedure

A.4.1.1 General Guidelines

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

A.4.1.2 Review of Drawings During Preparation

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

A.4.1.3 Client Requests for Unchecked In-progress Drawings

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

A.4.1.4 Signing and Sealing of Drawings

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

A.5 Software Validation Procedure

A.5.1. Purpose and Scope

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

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

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

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

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

A.5.1.3 Mathematical, formulaic and logic-based programming developed within standard office-type platforms such as Excel and Mathcad may typically be validated as calculations in accordance with the **Checking and Verification Procedure**. Advanced or complex programs that are not amenable to standard checking/verification shall be validated in accordance with this procedure.

A.5.2. Terms and Definitions

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

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

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

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

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

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

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

A.5.3. Procedure

A.5.3.1 Staff Responsibilities with Technical Software

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

A.5.3.2 Technical Software Register

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

A.5.3.3 Responsibility for Software and Validation

Discipline Leaders are responsible for monitoring the use of technical software within their departments, disciplines and/or practice areas and ensuring that such software meets the requirements of this procedure. When appropriate, **Discipline Leaders** may serve as Validators and/or Approvers.

A.5.3.4 Software Classification

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

- (i) Legacy Software

(ii) Industry-standard Software

(iii) Non-standard Software

A.5.3.5 Validation Process

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

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

A.5.3.6 Validation Approval

The **Validator** shall provide the results and documentation of the validation process to the assigned **Approver**, who shall review the information and, if found acceptable, approve the software for use. The **Approver** shall take the necessary steps to have the technical software added to the LCP validated software register. Technical software shall not be used in production until it has been accepted by the **Approver**.

A.5.3.7 Validation of Software Revisions

- (i) New versions of technical software that have been previously validated shall be reviewed by a **Validator** by running the input file or database from the previous version and comparing results. Any differences between the outputs shall be justifiable.

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

A.5.3.8 Software Validation Documentation

The validation process shall be documented.

A.5.3.9 Software Errors

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

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

Appendix B: Guidelines for Processes

B.1 Project Processes

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

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

- administrative processes; and,
- technical processes

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

Basic Elements of a Process Guideline should include:

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

Appendix C: QC Checklist & Comment Forms

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QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

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

QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

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

Appendix D: QA Checklist & Comment Forms

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QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

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

Appendix E: Independent Review & Comment Form

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QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

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

Appendix F: LADOTD Bridge Design QC/QA Plan

In addition to the **QC/QA** procedures described in this **QMP, LADOTD Bridge Design and Evaluation Manual (2014)** have established requirements for all bridge design and rating projects. This **Appendix F** has been developed with respect to the current **LADOTD Bridge policies**. Stantec's **QMP** program is well aligned with the **LADOTD Bridge Policy**.

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

- F1: LADOTD Bridge Design (Design Criteria Checklist)
- F2: LADOTD Bridge Design (Final Calculation Book Checklist)
- F3: LADOTD Bridge Design (QA Information Packet Checklist)
- F4: LADOTD Bridge Design (QC/QA Certification)
- F5: LADOTD Bridge Design (Peer Review Resolution Agreement)
- F6: LADOTD Bridge Design (Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist)

F1: LADOTD Bridge Design (Design Criteria Checklist)

Design criteria for each project shall include, but not limited to, the following sections:

- **Cover sheet** - The following information must be included on the cover sheet:
 - LADOTD project number
 - Project name
 - Revision date
 - The Supervisor or Team Leader's signature and date
- **Governing Design and Construction Specifications and Other References** - A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.
- **Design Assumptions and Design Exceptions** - All design assumptions and design exceptions received must be included in this section along with supporting documents.
- **General Information** - The general information as listed below should be included in this section:
 - Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
 - Road information (roadway classifications, design speed, traffic data, etc.)
 - Vertical datum
 - Vertical and horizontal clearances
 - Other relevant information
- **Hydraulic Design Criteria** - All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.
- **Design Factors** - The ductility factor Γ_D , redundancy factor Γ_R , and operational importance factor Γ_I shall be listed in this section.
- **Design Loads** - All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.
- **Limit States** - All applicable limit states for this project shall be listed in this section.
- **Bridge Barrier** - The design criteria, types, and test levels for bridge barriers shall be listed in this section. Standard plans and special details should be listed if they are utilized.
- **Guardrail** - The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans and special details should be listed if they are utilized.
- **Approach Slab** - Design criteria for approach slab shall be included in this section. Standard plans and special details should be listed if they are utilized.
- **Deck and Deck Drainage** - All design criteria for deck and deck drainage design shall be included in this section. Standard plans and special details should be listed if they are utilized.

- **Bearing** - All bearing types and design criteria for each bearing type shall be included in this section. Standard plans and special details should be listed if they are utilized.
- **Joint** - All joint types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.
- **Superstructure** - All superstructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.
- **Substructure** - All substructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.
- **Piles and Drilled Shafts** - All pile types, sizes, and structural design criteria shall be included in this section. Standard plans and special details should be listed if they are utilized.
- **Geotechnical Design** - All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans and special details should be listed if they are utilized.
- **Mechanical Design** - All mechanical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.
- **Electrical/Lighting Design** - All electrical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.
- **As-Designed Bridge Rating Criteria** - All as-designed bridge rating criteria shall be included in this section.
- **Software** - All software used for design and check shall be included in this section.

F2: LADOTD Bridge Design (Final Calculation Book Checklist)

The final calculation book for each project shall include, but not limited to, the following sections:

— **Cover Sheet** - The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of "Final Calculation Book"
- The EOR's seal with signature and date

— **Final Calculation Book Check List**

— **QC/QA Certifications**

— **Peer Review Resolution Agreement (if peer review is performed)**

— **Design Criteria**

— **Final Hydraulic Analysis Report from Hydraulic Engineer**

— **Final Geotechnical Analysis Report from Geotechnical Engineer**

— **Superstructure Design Calculations**

— **Substructure Design Calculations**

— **Quantity Calculations**

— **Special Provisions/NS-Items**

— **Construction Cost Estimate**

— **As-Designed Rating Report**

— **List of All Final Electronic Design Files and File Locations
(ProjectWise directory name)**

Consultants shall submit the final calculation book to LADOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder including the following information:

— **A PDF File of the Calculation Book**

— **All Electronic Design Files**

— **A PDF File of the As-Designed Rating Report Only**

The final calculation book for in-house projects shall include the same files listed above for consultant projects. The final calculation book and other final design documents for all projects including in-house and consultant projects shall be uploaded to the archiving location designated in the record retention policy within 30 calendar days after the stamped final plans are delivered.

F3: LADOTD Bridge Design (QA Information Packet Checklist)

QA INFORMATION PACKAGE CHECKLIST (Bridge Design Section QC/QA Policy (October 2012) – Appendix C)	
PROJECT NO.:	
Project Description:	
PREPARER	
REVIEW LEVEL	☐ 95% Final ☐ 98% Final ☐ PS&E
QA PACKAGE CHECKLIST	
Are the CALCULATION BOOKS included?	☐ Yes ☐ No
Are the PLANS included?	☐ Yes ☐ No
Are the SPECIAL PROVISIONS included?	☐ Yes ☐ No
Is the COST ESTIMATE included?	☐ Yes ☐ No
Are there OTHER DOCUMENTS included?	☐ Yes ☐ No
OTHER DOCUMENTS:	
PREPARER SIGNATURE	DATE:

F4: LADOTD Bridge Design (QC/QA Certification)

QC/QA CERTIFICATION						
(Bridge Design Section QC/QA Policy (October 2012) – Appendix D)						
Team Members	Name	LA PE No.	Responsibility			Signature
			Plan Sheet(s)	Special Provision(s)	Cost Estimate	
Designers						
Design Checkers						
Detailers						

QUALITY MANAGEMENT PLAN

CONTRACT NOS. 4400035420, 4400035421 and 4400035422

IDIQ CONTRACTS FOR BRIDGE PRESERVATION STATEWIDE

QC/QA CERTIFICATION (Bridge Design Section QC/QA Policy (October 2012) – Appendix D)						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotech Engineer						
Hydraulic Engineer						
EOR						

F5: LADOTD Bridge Design (Peer Review Resolution Agreement)

Project No.:

Project Name:

We, the undersigned Peer Reviewer, Supervisor or Team Leader of the design team, and LADOTD Representative for this project, have reviewed and accepted the attached peer review resolutions. We certify that the peer review has been performed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	Signature
Peer Reviewer		
Supervisor or Team Leader		
LADOTD Representative		

F6: LADOTD Bridge Design (Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist)

A kick-off meeting with the Consultant's bridge design team shall be initiated by the LADOTD Bridge Design Task Manager once the project is awarded. The meeting agenda shall include, but not limited to, the following items:

- Introduce LADOTD Bridge Task Manager and the Consultant's Key Team Members (The Supervisor or Team Leader and Key Designers/Design Checkers/Reviewers)
- Discuss Consultant's Staffing Plan and Implementation of QC/QA Plan Document (The staffing plan should include names and responsibilities of the designers, detailers, checkers, reviewers, and the EOR.)
- Determine Schedules for Project Submittals (Design Criteria, TS & L, 30%, 60%, 90%, 100% of Preliminary Plans and Final Plans, Final Calculations, etc.)
- Share Expectations and Consultant Rating Criteria (Consultant rating will be performed for all project submittals shown on the project submittal schedule.)
- Discuss Design Criteria
- Discuss Budget, Supplemental Requests, Invoices, and Importance of Avoiding Claims (Staff shown on invoices will be reviewed in accordance with the staffing plan.)

Appendix G: Non-Conformance Report Form

NON-CONFORMANCE REPORT

NCR # _____

Activity #: _____

Activity: _____

Location: _____

NCR Prepared By: Name: _____ Date: _____

Company: _____

NCR Given to: Name: _____ Date: _____

Company: _____

Non-Conformance Description: _____

☐ No Impact or Assessed Impact: _____

☐ No Action or Action Required: _____

References/Attachments _____

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

Action(s) Completed By
(name & signature): _____ Date: _____

Remarks: _____

Date copied: _____ Fax No. _____

Comments: _____

Guidelines for NCR use

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

22. **Sub-consultant Information:**

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

Firm Name (Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	Address	Point of Contact and Email Address	Phone Number
Civil Design & Construction, Inc.	PO Box 857 Port Allen, LA 70767	Karla E. Weston, PE Kweston@cdcbr.com	(225) 765-1802
ECM Consultants, LLC	1301 Clearview Parkway, Ste. 200 Metairie, LA 70001	Ujjal DasGupta, PE ujjal@ecmconsultants.com	(504) 885-4080
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Russell J. "Joey" Coco, Jr., PE jcoco@forteandtablada.com	(225) 927-9321
GeoEngineers, Inc.	11923 Sun Belt Court Baton Rouge, LA 70809	Larry Sant, PE lsant@geoengineers.com	(225) 663-1522
Thompson Engineering, Inc., of Louisiana	4937 Hearst Street, Suite 1B Metairie, LA 70001	Donovan P. Duffy, PE Senior Vice President dduffy@thompsonengineering.com	(504) 885-9892
Wiss, Janney, Elstner Associates, Inc.	330 Pfingsten Road Northbrook, IL 60062	Jonathan C. McGormley, PE jmcgormley@wje.com	(847) 753-7234

23. **Location:**

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank. **Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.**



I-10 / Loyola Interchange Design-Build Project

Stantec Project