

IDIQ Contracts for Bridge Preservation Services

Statewide, LA

Contract Nos. 4400033117,
4400033118, and 4400033119

Prepared by:
Stantec Consulting Services Inc.

Prepared for:
Louisiana Department of
Transportation and Development

October 1, 2025



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



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IDIQ CONTRACTS FOR BRIDGE PRESERVATION SERVICES STATEWIDE

Contract Nos. 4400033117,
4400033118, and 4400033119

Submitted to:

**Louisiana Department
of Transportation and
Development**

1201 Capitol Access Road
Baton Rouge, LA 70802

*Submission from Stantec—
A Partner for Louisiana's
Infrastructure Success*

**Stantec Consulting Services
Inc.** 1200 Brickyard Lane
Suite 400
Baton Rouge, LA 70802
T: 225.765.7400

COVER LETTER

The Stantec Team is proud to offer the Louisiana Department of Transportation and Development (LADOTD) an exceptional partnership for this critical statewide bridge preservation IDIQ contract. Stantec brings a strong foundation of local leadership and expertise, paired with a team of industry-leading designers experienced in a wide variety of bridge types and cutting-edge design concepts. Our deep-rooted relationships and thorough understanding of what the LADOTD Bridge Design Section expects from its consultant partners set us apart. We are committed to consistently delivering projects within budget, on or ahead of schedule, and surpassing your expectations for quality and performance.

Stantec's knowledgeable staff is well-positioned to continue supporting LADOTD's bridge staff through these IDIQ Contracts for Bridge Preservation. With nearly three decades of collaborative experience on Louisiana's most complex structural projects, Stantec is eager to build upon our longstanding working relationship. We recognize the shifting needs of LADOTD's bridge preservation efforts, especially with 2026 being Louisiana's final year of funding (approximately \$1.2 billion) from the Infrastructure Investment and Jobs Act (IIJA). Our appreciation of Louisiana's aging bridge conditions and understanding of the program's vital role in statewide transportation help us deliver meaningful solutions for the movement of people and goods.

Since 2008, Stantec has successfully completed numerous task orders under bridge-related retainer / IDIQ contracts, demonstrating our ability to deliver high-quality projects. Our in-depth knowledge of LADOTD's contracting procedures and the Bridge Design and Evaluation Manual (BDEM) enables us to contract efficiently and complete assignments with minimal direction, saving valuable time and resources for the state.

As both Contract and Project Manager, I will serve as the point of contact for this IDIQ contract. Over my 20 years with Stantec, I have collaborated with project and task managers throughout LADOTD and **personally managed or worked on five LADOTD retainer/IDIQ contracts**. This experience along with trusted relationships with LADOTD staff foster open communication, allowing us to address issues proactively and prevent escalation.

We have assembled a team with unmatched breadth of experience and resources, ready to meet any assignment's volume and schedule demands. Our subconsultants have submitted their 24-102 forms as part of our integrated team. Stantec's team includes highly skilled and experienced firms dedicated to the success of LADOTD's bridge preservation program.

- ➔ Civil Design & Construction, Inc.
- ➔ Forte and Tablada, Inc.
- ➔ GeoEngineers, Inc.
- ➔ Meyer Engineers, Ltd.
- ➔ Wiss, Janney, Elstner Associates, Inc.

We have enjoyed working with you on our current IDIQ contract and looking forward to continuing project success on this new IDIQ.

Sincerely,

Brian Johnson, PE, Project Manager

brian.johnson2@stantec.com | Office (225) 215-5130 | Mobile (225) 936-5534



Sections 1-13

Photo from the I-210: Cove Lane Extension &
Interchange 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. 4400033117, 4400033118, and 4400033119
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: October 1, 2025	
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.	Meyer Engineers, Ltd.	Wiss, Janney, Elstner Associates, Inc.	Each Discipline must total to 100%
Bridge	63%	67%		10%		3%	20%	100%
Geotech	7%				100%			100%
Road	15%	75%	10%	10%		5%		100%
Traffic	5%	100%						100%
Survey	5%		50%	50%				100%
Environmental	5%	100%						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%	63.5%	4.0%	10.3%	7.0%	2.6%	12.6%	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.

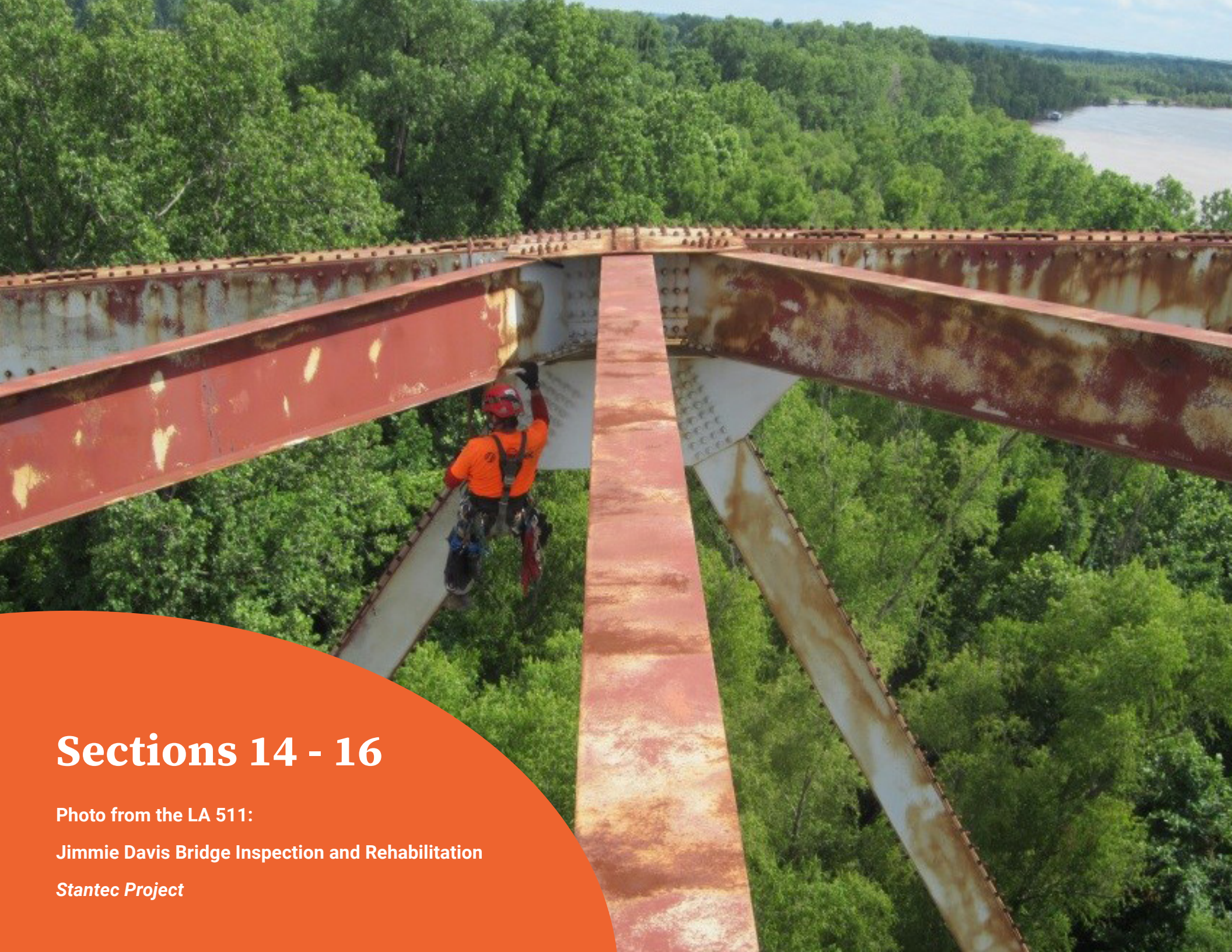
The DOTD Job Classification(s) to be used can be found at the following link: <https://bit.ly/DOTDJobClassifications>

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	3	15
Stantec Consulting Services Inc.	Engineer	10	24
Stantec Consulting Services Inc.	Engineer - Other	3	8
Stantec Consulting Services Inc.	Engineer Intern	4	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	2	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
Forte and Tablada, Inc.	Principal	1	2
Forte and Tablada, Inc.	Surveyor	4	5
Forte and Tablada, Inc.	Party Chief	2	5
Forte and Tablada, Inc.	Instrument Man	2	2
Forte and Tablada, Inc.	Technician	1	1
Forte and Tablada, Inc.	Senior Technician	2	4
Forte and Tablada, Inc.	Supervisor - Eng	2	3
Forte and Tablada, Inc.	Engineer	2	4
Forte and Tablada, Inc.	Engineer Intern	3	5
Forte and Tablada, Inc.	Designer	1	2
Forte and Tablada, Inc.	CADD Technician	2	4
Forte and Tablada, Inc.	Accountant	1	2
Forte and Tablada, Inc.	Clerical	1	2
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
Meyer Engineers, Ltd.	Accountant	1	3
Meyer Engineers, Ltd.	Administrative	1	1
Meyer Engineers, Ltd.	Supervisor – Architect	1	0

Meyer Engineers, Ltd.	Architect	1	6
Meyer Engineers, Ltd.	Designer	1	2
Meyer Engineers, Ltd.	Clerical	1	3
Meyer Engineers, Ltd.	Engineer	1	12
Meyer Engineers, Ltd.	Engineer Intern	0	2
Meyer Engineers, Ltd.	Inspector	0	4
Meyer Engineers, Ltd.	Inspector – Certified	1	4
Meyer Engineers, Ltd.	Inspector – Lead	1	1
Meyer Engineers, Ltd.	Planner	0	1
Meyer Engineers, Ltd.	Principal	1	1
Wiss, Janney, Elstner Associates, Inc.	CADD Technician	2	8
Wiss, Janney, Elstner Associates, Inc.	Clerical	4	5
Wiss, Janney, Elstner Associates, Inc.	Engineer Intern	2	15
Wiss, Janney, Elstner Associates, Inc.	Engineer	1	2
Wiss, Janney, Elstner Associates, Inc.	Engineer - Other	3	35
Wiss, Janney, Elstner Associates, Inc.	Geologist	1	2
Wiss, Janney, Elstner Associates, Inc.	Principal	6	76
Wiss, Janney, Elstner Associates, Inc.	Professional	4	132
Wiss, Janney, Elstner Associates, Inc.	Senior Technician	2	29
Wiss, Janney, Elstner Associates, Inc.	Supervisor - Arch	0	1
Wiss, Janney, Elstner Associates, Inc.	Supervisor - Eng	2	17
Wiss, Janney, Elstner Associates, Inc.	Supervisor - Other	6	197
Wiss, Janney, Elstner Associates, Inc.	Technician	2	11
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 concurrently 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**■ Cindy Hall, PE *[†] #8**PROJECT MANAGER**

■ Joseph 'Brian' Johnson, PE #1, 2, 3 ①③

**QA/QC TEAM LEAD**■ Gary Heitman, PE[†] #8**BRIDGE DESIGN AND LOAD RATING****FIXED BRIDGES**

- John Krebs, PE (*Task Lead*)[†] ①
- Robert Smith, PE
- Kunal Malpani, PE ① #4
- Mengqiu "Maggie" Ye, PE[†]
- Michael Brodnax, PE[†] ①③
- Bagyalakshmi Shanmugam, PhD, EI[†] ①
- Joffrey Easley, MS, PE[†] ①③ #4
- Russell "Joey" Coco, PE, MBA
- Steven Lauer, PE ①⑤ #4

MOVABLE BRIDGES

- Mickey Harrison, PE #7 (*Task Lead*) (*Structural*)
- Jonathan McGormley, PE ①⑤ #7 (*Structural*)
- John Williams, PE #5 (*Mechanical*)
- Gareth Rees, PE #6 (*Electrical*)

Architectural Services

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

GEOTECHNICAL

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

BRIDGE INSPECTION

- Ryan Nataluk, (PE) ①②③
- Dominic DeJohn, PE (*Underwater*) ①
- Robert Catron, (PE) ①②③
- Tyler Carson, (EI) (*Drone Pilot*) ①③
- Michael Brodnax, PE[†] ①③
- Leonard Phelps

SAMPLING, INSTRUMENTATION, NDT

- Curtis Schroeder, (SE) ①⑤
- Nathaniel Rende, (SE)

ROAD AND TRAFFIC

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

MISCELLANEOUS

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

ENVIRONMENTAL/PERMITTING

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

SURVEY

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

Legend

- Stantec Consulting Services Inc.
- GeoEngineers, Inc.
- Civil Design & Construction, Inc.
- Meyer Engineers, Ltd.
- Forte and Tablada, 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 Fracture Critical Inspection Techniques for Steel Bridges

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 Joffrey Easley, MS, PE Steven L. Lauer, PE	Stantec Consulting Services Inc. Forte and Tablada, Inc. Wiss, Janney, Elstner Assoc., Inc.	PE #43016 - Civil PE #31542 - Civil PE #50059 - Civil/Structural	LA LA LA	3/31/2027 3/31/2027 9/30/2027
5.	John R. Williams, PE	Wiss, Janney, Elstner Assoc., Inc.	PE #44300 - Mechanical	LA	9/30/2026
6.	Gareth Rees PE	Wiss, Janney, Elstner Assoc., Inc.	PE #40754 - Electrical/Computer	LA	9/30/2026
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 3/31/2026
8.	Gary Heitman, PE Cindy Hall, PE Joseph 'Joe' Cains, III, PE Nick Prudhomme, PE	Stantec Consulting Services Inc. Stantec Consulting Services Inc. Stantec Consulting Services Inc. Stantec Consulting Services Inc.	PE #24670 - Civil PE #27073 - Civil PE #33670 - Civil PE #35996 - Civil	LA LA LA LA	9/30/2026 9/30/2027 3/31/2026 3/31/2027
9.	Brenda Novoa, PE, MSCE Larry D. Sant, PE	Geo-Engineers, Inc. Geo-Engineers, Inc.	PE #33665 - Civil PE #35625 - Civil	LA LA	3/31/2026 9/30/2026
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 3/31/2026
11.	Adrienne Campbell	Stantec Consulting Services Inc.	N/A	N/A	N/A
12.	Scotty Moore, RPA	Stantec Consulting Services Inc.	Registered Archaeologist #13500	Nat'l	N/A
13.	Emily Reed Alton Davis, AIA, NCARB, ICC Deborah Slaton	Stantec Consulting Services Inc. Meyer Engineers, Ltd. 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	Cindy Hall, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	33	
TITLE	Senior Principal, Transportation Infrastructure Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BS 1992 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 27073 LA 09/30/2027		
YEAR REGISTERED	1997	DISCIPLINE	Civil Engineer	
Contract role(s) / brief description of responsibilities	Cindy's 33 years of experience include the design and project management of various civil and transportation projects. As Roadway Division Manager, Cindy manages the productivity of the roadway staff and oversees the quality of the plans and specifications developed by the Roadway Division. She has also served as project manager on many transportation projects including interstate and interchange improvements, rural arterials, and urban roadways with subsurface drainage and traffic signalization. Cindy has been involved in numerous projects implementing innovative geometric solutions including continuous flow intersections, a diverging diamond interchange, and roundabouts. She has also recently been involved in four Design-Build projects for LADOTD. Additionally, Cindy has designed and managed many wastewater pipeline, pump station projects, and utility relocations over the course of her career. Cindy will serve as PRINCIPAL IN CHARGE for this contract. Cindy 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 New Orleans, LA Design Manager. Cindy managed this multimillion-dollar project that improves access and traffic operations to and around the new Northfield Terminal of the New Orleans Airport. Cindy oversaw the design and plan preparation efforts to add two directional flyover ramps, I-10 Westbound to Loyola Southbound, and Loyola Northbound to I-10 Eastbound. The D-B Team recommended an alternative technical concept which recommended a Diverging Diamond Interchange and required the completion of the Interchange Modification Report (IMR) and a Reevaluation of the Environmental Assessment. Cindy assisted Stantec's traffic engineers with the IMR by evaluating critical geometry, signing, striping, and providing documentation. Cindy and her project team provided exhibits and traffic models that were used during the public meeting and assisted DOTD with costs and documentation of the impacts for the reevaluation. Cindy worked with the contractor to develop phased construction plans and design unit plan sets to construct critical path items first. She worked with the D-B team to implement cost/schedule savings through design modifications and alternative material selections. She also worked with numerous stakeholders during the execution of this project including DOTD, FHWA, City of Kenner, Jefferson Parish, and the Airport.			
04/11 - 06/15	I-210: COVE LANE INTERCHANGE AND IMPROVEMENTS PROJECT LADOTD Lake Charles, LA Roadway Engineer. Cindy was responsible for the sequence of construction and maintenance of traffic plans for this complex, tight diamond interchange which required ramps elevated on MSE walls, two new bridges, and surface street improvements including a new roundabout. Cindy was also responsible for the Level 2 Transportation Management Plan required for the project including safety and traffic analyses and traffic management strategies.			
10/09 - 06/11	US 90 AT LA 85 INTERCHANGE DESIGN-BUILD LADOTD Contract No. 424-04-0032 Iberia Parish, LA Design Quality Control Manager. Cindy led the design QC effort for this project to elevate the rural arterial to urban interstate standards. The Design-Build Team designed upgrades involving construction of a concrete girder span bridge over Louisiana 85 along the US 90 corridor, an extensive rehabilitation of frontage roads and ramps, and the installation and upgrade of permanent drainage structures. As Design Quality Control Manager, Cindy was responsible for developing the Design Quality Control Manual, managing the Design Quality Control Reviews, responding to comments, holding design review meetings, distributing plan submittals, and documenting quality control records. During construction, she was responsible for adherence to the construction plans and the resolution of design non-conformance reports. Construction was completed, and the interchange opened to the public, in June 2011.			



09/23 - 04/24	I-10 BAYWAY PROGRESSIVE DESIGN-BUILD ALDOT Mobile, AL Maintenance of Traffic (MOT) Engineer. The I-10 Bayway project increases the capacity of I-10 and enhances local/regional mobility by 1) rebuilding I-10 Bayway across Mobile Bay across eight lanes and raising the elevation to accommodate a 100-year storm surge, and 2) constructing two modified interchanges (Mid-Bay and Eastern Shore). Stantec is a major subconsultant providing MOT, bridge, coastal engineering, riverine hydrology, and environmental permitting services. Cindy has assisted with MOT planning and TTCP traffic analysis through the 30% planned submittal.
05/15 - 06/18	US 90 AT LA 318 INTERCHANGE DESIGN-BUILD LADOTD St. Mary Parish, LA Design Manager. Cindy managed the design for this Design-Build project which improved the intersection of US 90 at LA 318 to a grade-separated interchange and brought US 90 up to interstate standards as a part of the Future I-49 Corridor. The project included dual overpass bridges, ramps, and frontage road relocations. The new frontage roads were used to maintain traffic during the construction of the overpass bridges. 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. Stantec was also responsible for acquiring the ROW while construction was ongoing. Cindy also managed the relocation of utilities during construction and designed water and sewer relocations for St. Mary Parish. Stantec remained involved throughout construction and participated in resolving design and construction non-conformance issues and requests for information. Construction was complete in January of 2018.
11/09 - 08/12	I-12 WIDENING DESIGN-BUILD LADOTD Contract No. 454-02-0071 Livingston Parish, LA Lead Roadway Engineer. Cindy was responsible for Stantec's roadway design efforts to widen a four-mile stretch of Interstate, from the Amite River to the Juban Road interchange. The design included widening, removal, overlay and replacement of various pavement sections, ramp deceleration lane improvements, and widening of the Gray's Creek Bridge and the 4-H Club Road and Range Avenue overpasses. The project required extensive maintenance of traffic and traffic control plans on this heavily traveled stretch of urban interstate. In addition to designing the construction plans, Cindy was actively involved in the construction phase, assisting the contractor by developing quality, cost-effective solutions that met or exceeded contract scope requirements.
07/19 - Ongoing	MOVEBR PROGRAM MANAGEMENT City of Baton Rouge Baton Rouge, LA Quality Control Project Reviewer. Cindy serves as QC Project Reviewer concentrating on Roadway and Complete Streets reviews. Cindy has reviewed design studies, preliminary and final plans, quantities, and construction cost estimates for corridor, signal, and sidewalk improvement projects.
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 Project Manager. This project initially included an EA and Preliminary Plans for improving 3.4 miles of Perkins Road (LA 427) from the existing two-lane roadway to a four-lane divided curb and gutter roadway with raised median, sidewalk, sewer, and subsurface drainage. During the EA phase, Cindy was responsible for line and grade alternatives study , stakeholder coordination, public outreach, led EA phase, preliminary plans (geometry, drainage, sequence of construction, signalization, preliminary construction cost estimate), and final ROW maps. Under the MOVEBR Program, Stantec completed Final Plans for Perkins Road from Siegen Lane to Pecue Lane using MOVEBR design criteria. This 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 were provided along the corridor. Stantec was responsible for all final design including roadway and traffic signal plans, subsurface drainage and culvert design, and wetlands permitting. Final plans for this project were completed in March of 2023.
08/05 - 12/13	STARING LANE EXTENSION AND BRIDGE City of Baton Rouge Baton Rouge, LA Project Manager. This Green Light Plan project required a design study and plan development for a new, four-lane urban boulevard with a 30-foot median with subsurface drainage, sidewalks, and traffic signals. Cindy led construction plan development and design of preliminary and final plans including geometrics, intersections, earthwork modeling, striping, quantities, signal design, sanitary sewer force main design, and quality control. She also attended public meetings and coordinated with City and subconsultants.
01/18 - 08/18	DIJON DRIVE PHASE I & PHASE II City of Baton Rouge Baton Rouge, LA Quality Control. Stantec designed this roadway on new alignment for the City of Baton Rouge as an access roadway to the new Our Lady of the Lake Children's Hospital. This fast-paced project included a four-lane divided roadway on new alignment, sanitary sewer force main, subsurface drainage, signalization, and off-site intersection improvements. Cindy was responsible for quality control during the course of this project which was broken into two phases. Cindy reviewed each phase of work two times and offered comments before major milestone submittals.

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Joseph 'Brian' Johnson, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	20	
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 25 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 Bossier 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 SEEGER 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	Gary Heitman, PE	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	25	
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	
Contract role(s) / brief description of responsibilities	With 37 years of experience, Gary will serve as QA/QC TEAM LEAD 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. This 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	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.			
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	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	Kunal Malpani, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	12	
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 12 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	Mengqui "Maggie" Ye, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	5	
TITLE	Structural Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	4	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2016 Civil Engineering; BS 2013 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 44061 LA 3/31/2026		
YEAR REGISTERED	2019	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Maggie assists the project manager with bridge designs, compiling bridge plans, and QC/QA of load rating models and reports. She also helps Els in developing load rating models. Maggie 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).			
03/20 - 04/24	I-10 LOYOLA DESIGN-BUILD INTERCHANGE LADOTD Kenner, LA Bridge Engineer. Maggie performed design on the LU and LG prestressed concrete girders, concrete decks, substructure units, and drainage system for the steel trapezoidal box girders. She assisted with plan development on several design units. Maggie's responsibilities include reviewing shop drawings, addressing RFIs, and performing construction engineering. Maggie was also responsible for performing load rating and developing reports on the two ramps and a bridge widening.			
11/22 - Ongoing	SR 16/SR 149 FLOODWAY CHANNEL YAZOO RIVER (BRIDGE NOS. 210.9, 211.1, 211.8) MDOT Yazoo City, MS Bridge Engineer. Maggie is responsible for the 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 No. 211.1 consists of a skewed, 928-ft, three-span continuous steel plate girder bridge supported by concrete caps on steel pipe piles at the end bents and drilled shafts at the intermediate bents. Bridge No. 211.8 consists of identical components to Bridge No. 210.9 but is in a horizontal curve. As the design engineer, Maggie performed designs, oversaw plan development, and is currently responsible for reviewing shop drawings and contractor submittals.			
05/20 - Ongoing	SR 27 OVER LITTLE WHITE OAK CREEK MDOT Copiah County, MS Design Manager. Maggie is responsible for the design and plan development for a three-span (60-100-60-ft) prestressed FIB 36 girder bridge. Substructure units consist of concrete caps founded on steel pipe piles. A detour bridge is being constructed to minimize traffic impacts during construction. She performed quality control checking of designs, oversaw plan development, and is currently responsible for reviewing shop drawings and contractor submittals.			
12/20 - Ongoing	SR 601/I-10 INTERIM INTERCHANGE MDOT Harrison County, MS Design Manager. This project consists of updating a previous design to conform to current design and construction specifications. Tasks include eliminating a portion of the original project, adding stay-in-place forms to girder designs, updating plans and references, and develop load ratings for seven bridges. Design is in accordance with AASHTO LFD. Maggie is responsible for overseeing design activities and plan development and performing QC on designs and load ratings. Structures include prestressed concrete AASHTO and BT girders, structural steel plate girders, and complex substructure units.			
02/19 - 08/19	LOAD TESTING OF BERWICK BAY BRIDGE AND LA-1 BRIDGE LADOTD Statewide, LA Site Engineer. Maggie assisted the project engineer in installing sensors on the bottom of the bridge deck and connecting the sensors to computers. She guided the loaded truck on the bridge and analyzed the collected deflections from sensors. She gained on-site experience as well as knowledge that the load rating results were much more conservative than the load testing results.			
02/19 - 08/19	27 COMPLEX OFF-SYSTEM BRIDGES RATING AND EVALUATION LADOTD H.009859.5 Statewide, LA Structural Engineer. This project consisted of load rating 27 complex off-system bridges in accordance with LADOTD Policies and Guidelines for Bridge Rating and Evaluation. The bridge types comprised ferry-toll, pontoon, steel I-beam, plate girder swing spans, plate girder continuous spans, plate girder bascule spans, low truss swing spans, plate girder swing spans, and steel box girder. Maggie's responsibilities included reviewing the as-built drawings of the bridges and determining the appropriate load rating method, developing the load rating models, and preparing the load rating reports.			

FIRM EMPLOYED BY		Stantec Consulting Services Inc.			
NAME	Michael Brodnax, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		6
TITLE	Structural Engineer		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		0
DEGREE(S) / YEARS / SPECIALIZATION		BS 2019 Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 48622 LA 9/30/2026			
YEAR REGISTERED	2024	DISCIPLINE	Civil Engineering; NBIS Certified Team Leader		
Contract role(s) / brief description of responsibilities	Michael is a structural engineer with six years of experience. He has been involved in structural designs ranging from deck, prestressed box girder and concrete substructure. Michael has performed numerous inspections and load ratings on Mississippi and Alabama Bridges. Michael is familiar with several design and analysis software programs including RC-Pier, CONSPAN, and AASHTOWare Bridge Rating. Michael will provide STRUCTURAL ENGINEERING AND 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.				
08/23 - 01/24	US 82 OVER MISSISSIPPI RIVER FRACTURE CRITICAL INSPECTION MDOT Greenville, MS Bridge Inspection Team Leader. Michael led a team to complete an element level field inspection of fracture critical members on a cable stay structure. The team used a mechanical platform to access the underside of the main cable stay spans and inspected steel edge girders and steel floorbeams for deficiencies. In addition to the inspection, a formal inspection report was developed to convey the findings.				
03/24 - Ongoing	SR 28 OVER PEARL RIVER BRIDGE REPAIRS MDOT Copiah & Simpson Counties, MS Team Leader. Emergency repair of a damaged 550-ft three-span steel through truss bridge. Michael performed the inspection of the damaged truss members and developed repair plans. 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.				
07/19 - Ongoing	MADISON COUNTY BRIDGE INSPECTIONS Mississippi Office of State Aid Road Construction Madison County, MS Team Leader / Assistant Project Manager. Michael is responsible for coordinating and performing bridge inspections on non-complex bridges in Madison County on an annual basis. Stantec serves as the State Aid Engineer which includes maintaining inspection records on the local county bridges. Bridge superstructure types include concrete channel beams, prestressed concrete, concrete box culverts, and steel beams. Substructure elements include concrete, steel, and timber pilings. Reports are developed using AssetWise through State Aid.				
07/19 - Ongoing	MISSISSIPPI STATEWIDE COMPLEX BRIDGE INSPECTIONS & LOAD RATINGS Mississippi Office of State Aid Road Construction Statewide, MS Bridge Inspector and Load Rating Engineer Intern. Stantec is responsible for inspecting and load rating over 100 bridges in 17 different Mississippi Counties. Michael serves as a bridge inspector and load rater for this project. Inspections and load ratings are performed in accordance with current NBIS and procedures as outlined in the AASHTO MBE. Michael is responsible for performing inspections, performing load ratings, and developing inspection reports using InspectTech. 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. Michael assists with data management and transmitting project status updates to the client.				
05/24 - Ongoing	I-10 OVER TRINITY DRAINAGE CANAL BR REPAIR LADOTD Project No. H.015636 Iberville Parish, LA Bridge Engineer. Michael is responsible for design and plan development for the repair of a damaged wingwall and slab elements. An initial site visit was performed to confirm damage limits and verify component dimensions. Repair plans were developed to include full wingwall replacement, partial barrier railing replacement, and structural concrete patching. Currently the final plans are in review at the LADOTD Bridge Division.				
08/19 - 04/24	I-10 LOYOLA DESIGN-BUILD LADOTD Contract No. H.011670 New Orleans, LA Bridge Inspector and Load Rating Engineer. Michael designed concrete substructures such as hammerhead piers and pile cap footings. He designed prestressed concrete girders and concrete decks. He also designed and developed plans for concrete noise barriers and their concrete foundations using Microsoft office, STAADpro models, Bentley Microstation, CONSPAN, RC Pier, and bluebeam pdf editor. He reviewed and approved production shop drawings for construction.				

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	5	
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 45 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 highpriority 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 eyebar 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	18	
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 10/31/2025		
YEAR REGISTERED	2003	DISCIPLINE	Civil Engineering; NBIS Certified Team Leader; SPRAT Level I	
Contract role(s) / brief description of responsibilities	Ryan has 27 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 indepth 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	9	
TITLE	Senior Civil Engineer, Underwater Diver	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	2	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2013 Civil and Environmental Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 43704 LA 3/31/2026		
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	14	
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		8
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 eight 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 03/31/2026		
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	19	
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 19 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		15
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.				
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	10	
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 3/31/2026		
YEAR REGISTERED	2021	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Hannah has 10 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	17	
TITLE	Senior Associate, Traffic Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2008 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 37244 LA 09/30/2026		
YEAR REGISTERED	2012	DISCIPLINE	Civil Engineering PTOE #3560	
Contract role(s) / brief description of responsibilities	Joey has 17 years of experience working on major traffic projects, preparing feasibility studies and interchange modification reports, and leading improvements through plan design and signal construction. His experience using various analysis software packages, including TransCAD, Synchro, and VISSIM, allows him to determine innovative transportation solutions tailored to each individual situation. Joey will provide 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	7	
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 22 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	5	
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 31 years of NEPA and permitting experience for LADOTD, spanning from EAs, CEAs 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 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.

FIRM EMPLOYED BY		Stantec Consulting Services Inc.		
NAME	Scotty Moore, RPA	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	7	
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 Categorial 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 constructionphase 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 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	Emily Reed	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	11	
TITLE	Principal, Senior Architectural Historian	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	8	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2010 Historic Preservation // BA 2006 History and Architectural History		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		N/A		
YEAR REGISTERED	N/A	DISCIPLINE	N/A	
Contract role(s) / brief description of responsibilities	Emily is 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 15 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 nivosus</i>) at designated tern colony sites on Marine Corps Base, Camp Pendleton. Methods used to accomplish project goals involved invasive species control, vegetation removal, large woody biomass removal, and sand replenishment. As the project manager he responsibilities included oversight of personnel, schedule, budget, subcontractors, and constant coordination with not only NAVFAC SW but also personnel on Camp Pendleton.
03/22 - 03/24	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	2	
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 24 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		20
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 03/31/2026			
YEAR REGISTERED	2004	DISCIPLINE	Civil Engineering		
Contract role(s) / brief description of responsibilities	Karla's 26 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).				
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.				
06/12 – 10/12	H.009986 – PATHS 2 PROGRESS Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33 Principal-in-charge/Project Manager for this roadway rehabilitation project of roads in Jefferson Parish. This included field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.				
12/11 – 4/12	H.005902.5 - CONSULTING SERVICES FOR THE PERMANENT REPAIR TO FEDERAL AID ELIGIBLE ROADS AS A RESULT OF DAMAGE DUE TO HURRICANE KATRINA IN 2005 Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 29 Principal-in-charge/Project Manager for this project which included survey, field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina in the City of New Orleans, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.				

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).			
12/23 - 05/23	H.012618 LA 347 DRAINAGE IMPROVEMENTS 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	H.012027.5 - I-20 UPPR 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	H.004100 I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 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	H.010006.5-3 LA 58 PETIT CAILLOU BRIDGE REHABILITATION (SARAH BRIDGE) 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 for 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 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	H.012728.5 LA 443: TANGI RIVER BRIDGE REPLACEMENT 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	H.012650.5-1 DISTRICT 62 BRIDGES Livingston and Tangipahoa Parishes, LA Survey Manager for this project which 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	H.003184.5 I-10 TEXAS STATE LINE – EAST OF COONE GULLY Calcasieu Parish, LA Survey Manager on this project which is a 6-lane widening of I-10. Duties performed on this project included the review of the 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	Scott Benton	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	7	
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).			
12/24 - 04/25	H.014824.5 LA 317 - WAX LAKE B 3D Scanning Technician 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	H.015849 US 190 R CUTS AT LA741 3D Scanning Technician 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.			
12/23 - 05/23	H.012618 LA 347 DRAINAGE IMPROVEMENTS 3D Scanning Technician on this project. 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	H.015056 - LA 685 3D Scanning Technician on this project. 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	H.015058 - LA 14 BUSINESS 3D Scanning Technician on this project 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	H.012027.5 - I-20 UPPR 3D Scanning Technician on this project. 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	H014302 US 165 LIGHTING Monroe, LA 3D Scanning Technician on this lighting project. 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 - 01/2020	H.004100 I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 West and East Baton Rouge, LA 3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.			
03/14 - 06/14	H.008369 CLEO ROAD ROUNDABOUT St. Tammany Parish, LA Senior Technician on this project processing survey field data. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.			

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)		
NAME	Madison Mills, PLS	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	4	
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).			
12/24 - 04/25	H.014824.5 LA 317 - WAX LAKE B Survey Project Manager 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	H.015849 US 190 R CUTS AT LA741 Survey Project Manager 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.			
12/23 - 05/23	H.012618 LA 347 DRAINAGE IMPROVEMENTS Survey Project Manager on this project. 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	H.015619.5 LA 106 Survey Project Manager on this project. 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	H.015056 - LA 685 Survey Project Manager on this project. 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	H.015058 - LA 14 BUSINESS Survey Project Manager on this project. 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	H.012027.5 I-20 UPPR Survey Project Manager on this project. 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	4400017091 LOUISIANA WATERSHED INITIATIVE REGION 5 - TASK ORDER 3 Survey Project Manager for this Louisiana Watershed Initiative project. 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	4400017091 LOUISIANA WATERSHED INITIATIVE REGION 5 - TASK ORDER 2 Survey Project Manager on this Louisiana Watershed Initiative project. 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.			

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)		
NAME	Bradley Jacobs, EI	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	3	
TITLE	Survey Technician	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	9	
DEGREE(S) / YEARS / SPECIALIZATION		BS 2015 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		EI No. 32456 LA 09/30/2027		
YEAR REGISTERED	2015	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Bradley serves as a Survey Technician and will process field crew data and finalize deliverables. Bradley 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).			
12/24 - 04/25	H.014824.5 LA 317 - WAX LAKE B Survey Technician 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	H.015849 US 190 R CUTS AT LA741 Survey Technician 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.			
12/23 - 05/23	H.012618 LA 347 DRAINAGE IMPROVEMENTS Survey Technician on this project. 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	H.015619.5 LA 106 Survey Technician on this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods were 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	H.015056 - LA 685 Survey Technician on this project. 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	H.015058 - LA 14 BUSINESS Survey Technician on this project. 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	H.012027.5 - I-20 UPPR Survey Technician on this project. 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 - 11/22 01/22 - 11/22	4400017091 LOUISIANA WATERSHED INITIATIVE REGION 5 - TASK ORDERS 2 AND 3 Survey Technician on this Louisiana Watershed Initiative project. Responsible for processing field data and creating punch-lists for field crews. CD&C is a sub-consultant on this project.			
01/15 - 05/15	ALBANY ANNEX Survey Technician on this project. Worked on the boundary survey for extending the town limits of Albany, Louisiana. Completed title research for the properties that were obtained for the annex. Set the new boundary lines for the new town limits, and also drew the map showing the boundary of the properties that were obtained.			

FIRM EMPLOYED BY		Civil Design & Construction, Inc. (CD&C)		
NAME	Jacob Stoehr	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	10	
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	H.014824.5 LA 317 - WAX LAKE B 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	H.015849 US 190 R CUTS AT LA741 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	H.012027 I 20: UNION PACIFIC RR OVERPASS 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	H.014747 SOUTHERN UNIVERSITY RAVINE PROTECTION 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	H.001352.5 AND H.002273.5 COMITE RIVER DIVERSION BRIDGE AT LA 67, LA 19 AND LA 19 RAILROAD BRIDGE East Baton Rouge Parish 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.			
01/18-01/2020	H.004100 I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12 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.			
07/17-12/2018	H.010960.5-2, LA 30 ROUNDABOUTS AT TANGER I-10 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.			
08/16-01/2018	H.011235 I-49 VEROT SCHOOL ROAD 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.			
7/17 - 12/18	H.003184.5 I-10 TEXAS STATE LINE EAST OF COONE GULLY 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	3	
TITLE	SUE Manager	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	30	
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).			
12/24 - 04/25	H.014824.5 LA 317 - WAX LAKE B Utility Coordinator for this project. 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.			
10/24 - 01/25	H.015849 US 190 R CUTS AT LA741 Utility Coordinator for this project. 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 for this project. CD&C is performing 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 are to be located. Verification of pipe size and material is also required. CD&C is providing all SUE appropriate reports and data for this project.			
01/24 - 03/24	RN NUCCIO RD 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 for this project which 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 for this project which 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 will include topographic survey, as well as SUE reports, data, and plans.			
03/24 - 05/24	MSY EMPLOYEE PARKING SUE Manager for this project which 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 will include topographic survey, as well as SUE reports, data, and plans.			
02/24 - 05/24	BRMA RADAR DECOMP SUE Manager for this project which 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 will include topographic survey, as well as SUE reports, data, and plans.			
12/23 - 05/24	BRMA TAXIWAY F RECONSTRUCTION SUE Manager for this project which included SUE QL- B utility information and topographic survey for over 25 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 will include topographic survey, as well as SUE reports, data, and plans.			

FIRM EMPLOYED BY		Forte and Tablada, Inc.		
NAME	Russell "Joey" Coco, PE, MBA	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	18	
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 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 two 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). <u>Task Order 1</u> is for the load rating of ninety-five (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) <u>Task Order 6</u> is for the load rating of approximately sixty-five (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)			
08/14-Ongoing	I-49 CONNECTOR LADOTD Contract No. H.004273.5 Lafayette Parish, LA Principal in Charge. Responsible for 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-Ongoing	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. <u>Task Order 1</u> - Inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges; <u>Task Order 2</u> - 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	Joffrey Easley, MS, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	18	
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 two 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). <u>Task Order 1</u> is for the load rating of ninety-five (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) <u>Task Order 6</u> is for the load rating of approximately sixty-five (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)			
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. <u>Task Order 1</u> – 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) <u>Task Order 2</u> – Inspection and load rating of approximately 200 off-system bridges, consisting primarily of slab spans. (2019 – 2020) <u>Task Order 2b and 3</u> – 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) <u>Task Order 4</u> – 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) <u>Task Order 5</u> – 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
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.
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.
06/24-Ongoing	Gurney Road Bridge Replacements LADOTD H.014318 East Baton Rouge Parish, LA Bridge Project Manager. Bridge Project Manager for the replacement of two (2) bridges on Gurney Road in East Baton Rouge Parish. Managed the design and load rating of the replacement concrete slab span bridges, which included sidewalks for pedestrian use.

FIRM EMPLOYED BY		Forte and Tablada, Inc.		
NAME	Bradley S. Holleman, PLS, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	4	
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 Contract 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 - Ongoing	I-10/Loyola Interchange Improvements LADOTD Contract No. H.011670 Kenner, LA Surveyor-in-Charge/Principal-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. 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 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.			

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 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.
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 performing 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 for 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 to provide 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 for the 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 339S BAYOU PARC, SOUTH LOUISIANA SURVEY RETAINER LADOTD Contract H.002151 Surveyor-in-Charge for 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 for 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 for 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 for 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 for 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 03/31/2026 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 - Ongoing	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. 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 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 - Ongoing	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.
04/25-07/25	SIDNEY LEBLANC ROAD OVER PEEBLES COULEE Contract 4400024189, Task Order 3, H.016276 District 03, 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.
04/25-06/25	GROVER JONES ROAD OVER WILLIAMS CREEK Contract 4400024189, Task Order 2, H.015911 District 04, 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.
10/22-12/22	LAFAYETTE STREETScape SURVEY- CONGRESS STREET Lafayette Parish, LA Survey CAD Technician. Survey CAD Technician providing topographic and property survey to establish existing right-of-way for approximately a mile of roadway along Congress Street. This survey included mobile LiDAR scanning of all roadway features as a means of obtaining topographic data without endangering surveyors.
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 Survey CAD Technician. Survey CAD Technician 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.
08/20–03/22	RURAL BRIDGE REPLACEMENT INITIATIVE PHASE I; 7 STATE PROJECT NUMBERS (22 BRIDGE SITES) 4400017598, H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990 Districts 04, 05, 08 and 58, LA Survey CAD Technician. Survey CAD Technician 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.
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 CAD Technician. Survey CAD Technician 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.
03/15-08/15	LIVINGSTON DRAINAGE IMPROVEMENTS – BRIDGE REPLACEMENTS Livingston Parish, LA Survey CAD Technician. Survey CAD Technician for Surveys of George Mashon and Travis Street for the Topographic Survey and Right-of-Way mapping. The purpose of the project was to determine the feasibility of replacing bridges with culverts within the parish.

FIRM EMPLOYED BY		Forte and Tablada, Inc.		
NAME	Brent Campbell	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	13	
TITLE	Group Leader – Advanced Measurements	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	0	
DEGREE(S) / YEARS / SPECIALIZATION		BS Construction Management 2013		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		Certified Remote Pilot License: 3956975 N/A 10/23/25		
YEAR REGISTERED	2017	DISCIPLINE	FFA Certified Remote Pilot	
Contract role(s) / brief description of responsibilities	Brent will serve as ADVANCED MEASUREMENTS GROUP LEAD during this contract, and in that role he will provide supervision over Task Managers of all LiDAR, Photogrammetric, and Hydrographic tasks performed on task orders. He is an expert with over a decade of experience using terrestrial and mobile/aerial LiDAR systems and accompanying post-processing and extraction software. Widespread experience managing and overseeing execution of projects involving advanced data capture techniques including LiDAR, Photogrammetry, Multibeam Bathymetry, and Aerial Imagery.			
Experience dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “Designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/25- 06/25	US 167: MEDIAN IMPROVEMENTS Contract 4400021974- Task Order 13- H.016278 Vermilion Parish, LA Advanced Measurements Group Leader. Provided topographic and Mobile LiDAR surveying for a maiden improvements of the US 167. The survey included over 2 miles along a divided 4 lane highway in a rural area.			
01/16-Ongoing	I-49 CONNECTOR LA DOTD H.004273.5 Lafayette Parish, LA LiDAR technician and Group Leader. Responsible for providing terrestrial LiDAR survey of roadway features for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed terrestrial LiDAR scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.			
01/23- Ongoing	MID-BARATARIA SEDIMENT DIVERSION SURVEY QC PROGRAM CPRA Project No. BA-153 Belle Chasse, Port Sulphur, LA Advanced Group Leader responsible for management and QAQC of performing Aerial LiDAR and Photogrammetry for approximately 750 acres that are flown bi-weekly for the purpose of documenting the progress of construction as well as serving as a QAQC tool for the project team.			
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 Advanced Group Leader. Responsible for Mobile LiDAR acquisition and extraction, as well as Hydrographic Survey acquisition and extraction efforts. Project is in a high-traffic industrial area along I-210 and is 7 miles long. Forte and Tablada completed Mobile LiDAR scanning services for much of the corridor as a means of obtaining topographic data without endangering surveyors. The Survey also included Multibeam Hydrographic survey of Lake Charles, and Terrestrial LiDAR scanning of bridge substructures.			
03/21 – 12/21	MOVEBR (20-EN-HC-0003) FLORIDA BLVD. CORRIDOR ENHANCEMENT East Baton Rouge Parish, LA Mobile LiDAR Tech. Responsible for assisting with capturing mobile data. Responsible for processing and extracting the Mobile LiDAR data. This project is in a dense urban area and is approximately 4 miles long. Forte and Tablada completed mobile LiDAR services for much of the congested corridor as a means of obtaining topographic data without endangering surveyors.			
11/19-12/20	CALCASIEU RIVER BRIDGE INT REPAIRS Contract 4400010587- Task Orders 12, 14, and 15- H.012083 Calcasieu Parish, LA Advanced Group Leader responsible for the management and QAQC of data and deliverables for the terrestrial laser scans underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, preformed mobile Lidar for future planning.			
10/19-10/20	INSPECTION OF METAL CULVERTS Statewide, LA Advanced Group Leader responsible for the management and QAQC for inspections and data acquisition for approximately 230 culvert locations statewide. Culvert measurements were acquired with a mixture of 3-D laser scanning, sonar, and LiDAR.			

06/19-09/19	DANZIGER BRIDGE REPAIR Contract 4400010587- Task Orders 11 and 13- H.000303.6 Orleans Parish, LA Project Manager. Project Manager responsible for Topographic and Monitoring survey, and terrestrial LiDAR scanning of Danziger bridge. This survey was necessary due to damage of joints, deck, and girder ends of the fixed spans on both sides of the bridge.
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 Project Manager. Project Manager responsible for scanning efforts for topographic survey of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. 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.
10/18-05/19	SUNSHINE BRIDGE REPAIR Contract 4400010587- Task Orders 2, 3, 4, 5, and 10- H.012343 St. James Parish, LA Project Manager. Project Manager responsible for working with the design team to formulate a practical solution for attaining advanced measurements that were compatible with traditional measuring practices which were required for the structural analysis and repair design for the bridge. Additionally, assisted in scanning for incremental bridge movement as well as monitoring bridge movement as LADOTD jacked on members to place new beams using Faro Scene and MicroStation.
05/17-10/18	BELLE CHASSE BRIDGE AND TUNNEL (HBI) Contract 4400009387- Task Orders 2 and 5- H.004791.5 Plaquemines Parish, LA Project Manager. Project Manager overseeing Terrestrial LiDAR and Hydrographic Survey efforts for comprehensive topographic surveying 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.
10/12-03/13	I-10: HIGHLAND TO LA 73 H.009250 East Baton Rouge and Ascension Parishes, LA Terrestrial LiDAR Tech. Terrestrial LiDAR Tech responsible for assisting with Scanning of bridges as well as processing and extracting topographic information. Project was a topographic survey of approximately 7.0 miles to widen the interstate. Terrestrial LiDAR was utilized on all bridges as a means to obtaining topographic data without endangering surveyors.

FIRM EMPLOYED BY		Forte and Tablada, Inc.		
NAME	Trenton Iglehart	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	2.5	
TITLE	Senior CAD 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 CAD 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.			

06/23 – 08/23	UNDERWATER ACOUSTIC IMAGING - LA 14 OVER DELCAMBRE CANAL HYDROGRAPHIC SURVEY LADOTD Iberia Parish, LA Technician. Technician for area around the LA-14 Bridge over Delcambre Canal. The work included typical cross-sections, and water bottom features below waterline were collected using multi-beam and single beam sonar equipment. Terrestrial LiDAR was used to capture the above water surface.
09/22 – 12/22	IDIQ FOR HYDROGRAPHIC SURVEY LADOTD 4400019715 (performed as an employee at NTB Associates) Survey Technician. Survey Technician for hydrographic survey task orders on the Mississippi River (I-10 at Baton Rouge, Sunshine, Gramercy, Huey Long, and Crescent City Connection), Atchafalaya River (Krotz Springs EB and WB), Pearl River, and Pass Manchac at I-55.
07/17 – 07/22	LA 91 BAYOU PLAQUEMINE BRULE BRIDGE REPLACEMENT LADOTD 4400010586 -H.010885 Acadia Parish, LA 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 0.25 miles of roadway/bridge topographic survey and 500' upstream & downstream bathymetric cross sections for Bridge Replacement.
10/14 – 07/17	IDIQ-VICKSBURG & MEMPHIS CORPS OF ENGINEERS DISTRICTS-VARIOUS LEVEE ITEM SURVEYS, RIVER REVETMENT HYDROGRAPHIC SURVEYS AND FLOOD STRUCTURE SURVEYS Contract No. W912EE-14-D-0002 Senior CAD Technician/Hydrographic Technician. Senior CAD Technician/Hydrographic Technician for the review, editing, data compilation, and then submitting the project to the Vicksburg District in the required formats. Services under this contract included Topographic, Hydrographic Surveys, Structure Inspection and Evaluation I&E Monitoring Surveys, Geodetic Control Surveys, and Boundary Surveys on over 44 task orders.
09/13 – 04/14	AMITE RIVER BRIDGE NEAR FRENCH SETTLEMENT – ROUTE LA 16 LADOTD H.002375 Livingston Parish, LA 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. 3D terrestrial laser scanning and modeling for bridge substructures.
2009-2011	IDIQ A&E CONTRACT FOR SURVEYING SUPPORT SERVICES Contract No. W912EE-07-D-0004 Vicksburg District, U.S. Army Corps of Engineers Senior CAD Technician/Hydrographic Technician. Senior CAD Technician/Hydrographic Technician for the review, editing, data compilation, and then submitting the project to the Vicksburg District in the required formats. Services under this contract included Topographic, Hydrographic Surveys, Structure Inspection and Evaluation I&E Monitoring Surveys, Geodetic Control Surveys, and Boundary Surveys on 26 task orders.
2006-2009	IDIQ A&E CONTRACT FOR SURVEYING SUPPORT SERVICES Contract No. W912EE-05-D-0003 Vicksburg District, U.S. Army Corps of Engineers CAD Technician/Hydrographic Technician. CAD Technician/Hydrographic Technician for the review, editing, data compilation, and then submitting the project to the Vicksburg District in the required formats. Services under this contract included Topographic, Hydrographic Surveys, Structure Inspection and Evaluation I&E Monitoring Surveys, Geodetic Control Surveys, and Boundary Surveys on 32 task orders.
2003-2006	A&E SERVICES FOR SURVEYING SUPPORT SERVICES FOR THE CONSTRUCTION DIVISION Vicksburg District, U.S. Army Corps of Engineers CAD Technician/Hydrographic Technician. CAD Technician/Hydrographic Technician for the review, editing, data compilation, and then submitting the project to the Vicksburg District in the required formats. Services under this contract included Topographic and Hydrographic Surveys. Construction surveying services were performed under 63 delivery orders.
2001-2004	A&E SURVEYING SERVICES IN SUPPORT OF DISTRICT WIDE CONSTRUCTION OPERATIONS Contract No. DACW29-01-D-0004 New Orleans District, U.S. Army Corps of Engineers Hydrographic Technician. Hydrographic Technician responsible for Topographic and Hydrographic pre, during and post construction surveying services in support of 50+ task orders issued under this contract.
1998-2001	A-E SERVICES FOR HYDROGRAPHIC, TOPOGRAPHIC, GEODETIC, PROPERTY, BOUNDARY AND CONSTRUCTION SURVEYS Jacksonville District, COE Contract No. DACW Instrument Technician/Hydrographic Technician. Instrument Technician/Hydrographic Technician performed work under 21 task orders which have included topographic, planimetric, large scale conventional and automated hydrographic, cadastral/boundary, right-of-way, construction/route alignment and layout, dredged quantity measurements/payment, channel condition, tidal demarcation, beach nourishment, horizontal and vertical geodetic control along the Atlantic and Gulf Coast of Florida.

FIRM EMPLOYED BY		GeoEngineers, Inc.			
NAME	Larry D. Sant, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		24
TITLE	Associate Geotechnical Engineer		YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)		2
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 25 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.				

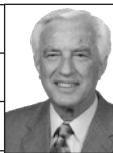


04/15 – 11/17	US-90/LA-318 INTERCHANGE DESIGN BUILD LADOTD St. Mary Parish, LA Project Manager. Larry was the project manager during this design-build project in support of the proposed Interchange on US90 at LA318. He lead the geotechnical design including drilling, log review, test assignments, pile 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	Brenda Novoa, PE, MSCE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	23	
TITLE	Senior Geotechnical Engineer	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	2	
DEGREE(S) / YEARS / SPECIALIZATION		MS 2003 Civil Engineering; BS 1999 Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE		PE No. 33665 LA 3/30/2026		
YEAR REGISTERED	2003	DISCIPLINE	Civil Engineering	
Contract role(s) / brief description of responsibilities	Brenda is a geotechnical engineer with 25 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. Brenda 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.			
11/24 - 06/25	BONNE IDEE ROAD BRIDGE GEOTECHNICAL EXPLORATIONS & LAB LADOTD Bonita, LA Project Engineer. Brenda was the project engineer for 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.			
11/24 - 05/25	SPRING BAYOU ROAD OVER SPRING BAYOU LADOTD Goudeau, LA Project Engineer. Brenda was the project engineer for 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.			
04/24 - Ongoing	P3 I-10 CALCASIEU RIVER BRIDGE GEOTECHNICAL ENGINEERING SERVICES LADOTD Lake Charles, LA Senior Project Engineer. Brenda is the senior project engineer for this historic public-private partnership (P3) that 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. Brenda worked as the project manager for this project. The 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. Brenda was the project manager for this project. The 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; TERREBONNE LADOTD Parish, LA Project Engineer. Brenda was the project engineer 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.
01/17 – 09/19	US-80 OVERPASS AT KCS RR LADOTD Lincoln Parish, LA Project Engineer. Brenda was the project engineer 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.
01/17 – 09/19	NELSON ROAD EXTENSION AND BRIDGES LADOTD Calcasieu Parish, LA Project Engineer. Brenda was the project engineer for 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 and providing pile foundations recommendations for the proposed bridges.
01/17 – 09/19	BAYOU CHEVREUIL BRIDGE WIDENING LADOTD St. James Parish, LA Project Engineer. Brenda was the project engineer 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.
01/10 – 12/11	BRIDGE SCOUR PROJECTS LADOTD Statewide, Louisiana Project Engineer. Brenda worked as a project engineer for the Bridge Scour project for over 100 bridge locations across the state of Louisiana. The project consisted of the determination of soil parameters and calculation of pile capacities of existing 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.				
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		Meyer Engineers, Ltd.		
NAME	Alton O. Davis, AIA, NCARB, ICC	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	2	
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 12/31/2025		
YEAR REGISTERED	2008	DISCIPLINE	Architecture	
Contract role(s) / brief description of responsibilities	Alton has over 39 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 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 for the rehabilitation and restoration of this 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 for this 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 for the 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. Working 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 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 for the 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 for the 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 for the 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. Construction Cost: \$9M (EST)
04/22 – 03/25	ASSUMPTION PARISH WATER DISTRICT ADMINISTRATION BUILDING Assumption Parish, LA Senior Architect for the 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 will be constructed at the rear of the building for administration staff and an extension of the front parking lot for visitors.

FIRM EMPLOYED BY		Meyer Engineers, Ltd.		
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 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.			
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		Meyer Engineers, Ltd.			
NAME	David H. Dupre, PE		YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER		36
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 03/31/2026			
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.				
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 for 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	STATE PROJECT NO: H.015796: VETERANS BOULEVARD SHARED-USE PATH Jefferson Parish, LA Project Manager for the 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	STATE PROJECT NO: H.007272: HOWARD AVENUE EXTENSION (LOYOLA AVENUE TO LASALLE STREET) 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	STATE PROJECT NO: H.007855: LA 431 AT LA 934 INTERSECTION IMPROVEMENTS Ascension Parish, LA Project Manager providing 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	STATE PROJECT NO: H.013850: DUPLESSIS ROAD SAFETY WIDENING Ascension Parish, LA Project Manager 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	STATE PROJECT NO. H.013522.5: S. LEWIS STREET WIDENING Iberia Parish, LA Project Manager and Senior Design Engineer 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.				

FIRM EMPLOYED BY		Meyer Engineers, Ltd.		
NAME	Justin Bosarge	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	8	
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 over 17 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	STATE PROJECT NO. H.014682: VETERANS BOULEVARD: DAVID DRIVE TO CLEARVIEW PARKWAY Jefferson Parish, LA 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	STATE PROJECT NO. H.010498: LA 24 AND LA 316: COMPANY CANAL BRIDGE Terrebonne Parish, LA 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	STATE PROJECT NO. H.006457: ROUNDABOUT AT PR 929 AND PARKER ROADS Ascension Parish, LA 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	STATE PROJECT NO. H.012783.6: WB VETERANS: SEVERN AVENUE – CLEARVIEW PARKWAY Jefferson Parish, LA 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	STATE PROJECT NO. H.006459: ROUNDABOUT AT CHURCHPOINT AND RODDY ROADS Ascension Parish, LA 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	STATE PROJECT NO. H.007175: LAPALCO (VICTORY-WESTWOOD) Jefferson Parish, LA 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	STATE PROJECT NO. H.007351: COUNTRY DRIVE WIDENING PHASE A (JEFF DRIVE TO PRESQUE ISLE DRIVE) Terrebonne Parish, LA 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		Meyer Engineers, Ltd.		
NAME	Byron Mackey	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	7	
TITLE	Construction Inspector	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	6	
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 over 13 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	STATE PROJECT NO. H.014625: TERRY PARKWAY: LA 23 TO US 90B (CE&I) Jefferson Parish, LA 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	STATE PROJECT NO. H.013365: LA 45/LA 303 ROSETHORNE PATH (LAFITTE) Jefferson Parish, LA 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	STATE PROJECT NO. H.013525: ST. BERNARD 40 ARPENT TRAIL St. Bernard Parish, LA 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 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	STATE PROJECT NO. H.001413.6 (CE&I): LA 18 (4TH STREET EXTENSION – BURMASTER) Jefferson Parish, LA 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	STATE PROJECT NO. H.007331: PAKENHAM DRIVE (LA 46 – LA 49) St. Bernard Parish, LA 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 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 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 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 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 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 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 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 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 performing 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 assisting 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, 11/18–1/19	INDIANAPOLIS BOULEVARD OVER LAKE GEORGE CANAL East Chicago, IN Team Leader 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 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 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, 01/17–2/18	US 20 JULIEN DUBUQUE BRIDGE OVER THE MISSISSIPPI RIVER Dubuque, IA Project Engineer 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–Present	MICHIGAN AVENUE BASCULE BRIDGE OVER THE CHICAGO RIVER Chicago, IL Project Manager 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	John Robert Williams, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	6	
TITLE	Principal	YEARS OF EXPERIENCE WITH OTHER FIRM(S)/EMPLOYER(S)	25	
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.			
07/19-03/24	DANZIGER LIFT SPAN BRIDGE, US 90, OVER THE INDUSTRIAL CANAL New Orleans, LA Senior Mechanical Engineer 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.			
07/20-1/20	ST. CLAUDE AVENUE BRIDGE CONSTRUCTION ENGINEERING SERVICES New Orleans, LA Project Manager and Senior Mechanical Engineer 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.			
06/20-04/25	LYNN-SAUGUS BRIDGE REPLACEMENT Lynn, MA Movable Bridge Project Coordinator for the construction of 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 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.			
07/19-01/24	MBTA BRIDGE NO. G-05-028, GLOUCESTER LINE OVER ANNISQUAM RIVER Gloucester, MA Movable Bridge Project Coordinator who 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.			
7/19-12/24	LIBERTY BRIDGE REHABILITATION Bay City, MI Lead Mechanical Engineer and Mechanical Engineer of Record for rehabilitation of all machinery associated with movable span for double leaf trunnion bascule highway bridge.			



09/16-06/19	BRIGHTON ROAD SWING BRIDGE REPLACEMENT Ontario, Canada Project Manager and Engineer of Record 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.
10/14-07/19	ST. PETERS CANAL SWING BRIDGE REPLACEMENT Cape Breton, NS, Canada Project Manager and Engineer of Record 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.
07/14 – 02/18	BURLINGTON CANAL LIFT BRIDGE, HAMILTON ON, Canada Movable Bridge Construction Specialist and Heavy Machinery 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 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 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	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 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.			
03/20-12/20	SKEW DETECTION SYSTEM STUDY FOR VERTICAL LIFT BRIDGES LA Principal Investigator to review alternatives for skew control, monitoring, and indication for tower drive vertical lift bridges based on effective management of skew and minimizing 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 the use of direct skew measurement with an inclinometer and lasers for skew monitoring and trip indication, and 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. WJE was later tasked to design and manage the implementation of the new skew control technology and deployed it at one of DOTD bridges for evaluation for implementation statewide.			
04/20-12/24	INDEPENDENCE AND LIBERTY BASCULE BRIDGES Bay City, MI Electrical Engineer of Record 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 conversion for toll operation.			
03/18-02/20	CHARLES BERRY (ERIE AVE) - LORAIN 6 BASCULE BRIDGE REHABILITATION Lorain, OH Movable Bridge Project Coordinator 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	FORT MADISON TOLL BRIDGE Fort Madison, IA Engineer of Record and Project Manager for the rehabilitation of this double decker swing span bridge. The first phase was the design of a new aerial and submarine power cable installation, the new installation to be configured as redundant power sources. The design of the submarine cable installation included surveying of the existing submarine cable, routing of the new cable, and designing and specifying the cable. The work also included excavation requirements and developing an approved trenching system. The design and contract documents were developed based on staged construction to satisfy marine, railroad, and highway operations as well as Coast Guard and emergency services with respect to bridge operating outages. Construction services were also performed.
03/10–11/17	SIR AMBROSE SHEA LIFT BRIDGE Placentia, NL, Canada Engineer of Record 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 PCL-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 are distributed to state-of-the-art intelligent MCC's in each of the bridge towers and have internal communications capabilities and interface directly with the bridge control system PLC for bridge operation, drive monitoring, and data acquisition.
06/14–06/16	EAST ROUND BUNCH ROAD OVER COW BAYOU Orange County, TX Lead Electrical Engineer responsible for designing new drives, controls, and field devices for the 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 an electric motor. Design and integration of new traffic control features, bridge and maintenance lighting, and a CCTV system were also included.
12/14–1/18	BURLINGTON LIFT BRIDGE St. Catherines, Ontario, Canada Lead Electrical Engineer providing 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.
06/18–06/19	BNSF SLOUGH RIVER BRIDGE 8.8 Portland, OR Electrical Engineer of Record for design, construction and commissioning of the electrical operating systems and integration 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 bridge drive and control system design replaced the 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. The work included staged construction and relocation of the bridge interlocking signal and dispatcher control board as test as comprehensive testing of the bridge control system and signal interfaces.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Jonathan C. McGormley, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	31	
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 3/31/2026		
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 over 32 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 for visual and ultrasonic inspection of bridge pins and hangers, characterizing and documenting conditions of section loss, cracking, or other forms of distress.			
08/24-01/25	STRAUSS TRUNNION BASCULE RAILROAD BRIDGE Ontario, CAN Project Advisor and Lead Structural Investigator into cause of collapse.			
12/22-08/25	T-1 STEEL WELD ASSESSMENT LA Project Manager 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).			
12/21-ongoing	JEFFERSON ST. BASCULE BRIDGE REHABILITATION Joliet, IL Project Manager and Structural Engineer of Record overseeing the rehabilitation of structural, mechanical, and electrical components of this rolling Scherzer lift bridge over the DesPlaines River.			
09/21-02/22	I-10/310 BONNET CARRÉ FIRE DAMAGE REPAIR St. Charles Parish, LA Project Manager 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.			
03/21-12/23	LULING BRIDGE DECK OVERLAY REPAIR CONSULTATION St. Charles Parish, LA Project Manager 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.			
01/21-05/25	REHABILITATION OF I-80/94, INDIANA TOLL ROAD, STRUCTURE 1A-1 Hammond, IN Project Manager 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.			

07/19–07/22	DANZIGER LIFT SPAN BRIDGE, US 90, OVER THE INDUSTRIAL CANAL New Orleans, LA Project Manager and Structural Engineer of Record 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.
05/19–08/19; 08/20–ongoing	I-255 JEFFERSON BARRACKS BRIDGE OVER THE MISSISSIPPI RIVER, EMERGENCY REPAIRS Mehlville, MO Project Manager 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. Completed bridge rehabilitation plans for the twin, tied-arch structures and provided construction period services.
02/19–ongoing	US 90 OVER BAYOU RAMOS St. Mary Parish, LA Project Manager 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.
02/19–07/19	LAKE SHORE DRIVE BRIDGE OVER THE CHICAGO RIVER, GIRDER FRACTURE INVESTIGATION Chicago, IL Project Manager leading the investigation, stabilization, and repair installation after the bridge experienced two girder fractures related to corrosion.
10/18–01/19	SUNSHINE BRIDGE OVER THE MISSISSIPPI RIVER St. James Parish, LA Project Manager 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 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 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 performing 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 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 Midwest, U.S. Project Manager and Structural Engineer of Record 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 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 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	Curtis J. Schroeder, PhD, PE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	6	
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.			
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.			
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.			
03/23 - ongoing	T-1 STEEL WELD INSPECTIONS ON FOUR BRIDGES MO Training, testing, and Quality Assurance (QA) for UT of T-1 steel welds on four bridges. 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.			
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.			
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.			
09/21-12/21	WATER STREET BRIDGE Pittston, PA Project Engineer for the UT of ten transfer pins in steel through-truss bridge.			

08/21–10/21	BLACK HAWK BRIDGE Lansing, IA Project Engineer responsible for UT and PAUT of 21 pinned connections in a steel through truss and suspended spans. Assisted with fracture critical inspection of steel through-truss spans.
07/21–08/21	HERNANDO DE SOTO BRIDGE Memphis, TN Project Engineer for the fracture investigation of a tie girder fabricated using T-1 steel in one of two tied arches. Performed UT, PAUT, and wet fluorescent magnetic particle testing (MT) of removed fracture specimen and steel cores. Performed QA verification of PAUT inspection procedure.
05/21–01/22	SR 66 OVER I-64 Carefree, IN Team leader for Special Inspection of bridge containing 18 pinned hinge connections, including visual inspection, ultrasonic testing, and magnetic particle testing. Assisted with development and implementation of repairs for cracked pin plate fillet welds.
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.
01/21–05/21	US 136 OVER WABASH RIVER Covington, IN Team Leader for Special Inspection of a post-tensioned, concrete trapezoidal box girder bridge that included visual inspection of epoxy-injected cracks in the web wall, ground penetrating radar (GPR) inspection to locate vertical shear reinforcement, and concrete core removal for testing of concrete strength.
01/21–04/21	FRANKLIN STREET BRIDGE Michigan City, IN Project Engineer assisting with the development of tread casting crack repairs and performing visual and MT inspection of field-welded repairs.
10/20–11/20	EAGLE'S NEST BRIDGE Hebron, ND Project Manager for repair of cracked pin plates at bridge pinned hinges. Developed weld repair solution and performed MT and CWI inspection of welded repairs.
09/20–01/21	NORTH DAKOTA DOT PIN AND LINK INSPECTIONS ND Project Manager for PAUT of 344 bridge pins on 17 bridges with both pin and hanger and pinned hinge connections.
08/20–11/20	CHARLES BERRY BRIDGE Lorain, OH Project Engineer assisting with UT inspection of bascule bridge trunnions, including through-bore examinations.
04/20–06/20	US 6 OVER SR 331 Bremen, IN Team Leader for special inspection of bridge containing 14 pinned hinge connections, including visual inspection, UT, and MT. Assisted with development of repair recommendations for cracked pin plate fillet welds.
05/21–08/21 09/19–11/19	BURLINGTON-BRISTOL BRIDGE SHEAVE INSPECTIONS Burlington, NJ Project Engineer performing PAUT of surface indications on thrust face of vertical lift bridge cast sheave and wet fluorescent MT inspection of cast sheaves. Assisted with development of repair recommendations.
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.
03/21–08/21 05/19–09/19	JEFFERSON BARRACKS BRIDGE St. Louis, MO Project Engineer for the fracture critical inspection of the twin tied-arch bridges over the Mississippi River. Performed PAUT and MT inspection of tie girder welds during emergency repair work to estimate extent and size of cracking. Performed inspection of welded repairs as a certified welding inspector (CWI), assisted with follow-up MT inspection of tie girder welds, and reviewed weld repair design for rehabilitation project.
05/19–08/19 01/17–03/17	DELAWARE RIVER BRIDGE Bristol, PA Project Engineer to develop PAUT inspection plan to locate weld-filled holes in truss members within a gusset plate connection. Assisted with PAUT technician performance testing. In 2017, Project Engineer to develop UT inspection plan to locate weld-filled holes in truss members. Assisted with investigation of bridge member fracture.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Nathaniel S. Rende, SE	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	20	
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 12/2025		
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.			
11/24-03/25	IAMS HILL ROAD OVER TENMILE CREEK, TRUSS BRIDGE STEEL EVALUATION Marianna, PA Project Manager 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.			
10/24-ongoing	US-30 BRIDGE INSTRUMENTATION AND MONITORING Iowa Project Manager 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.			
03/20-01/25	O'HARE AIRPORT UNITED BAGGAGE HANDLING POST-TENSIONED ROOF STRUCTURE Chicago, IL Project Manager 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 RECENT 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.			

03/18–10/18	HENRY HUDSON BRIDGE DECK ASSESSMENT New York, NY Project Manager for field investigation of upper level composite deck system (stay-in-place steel forms with steel grid and concrete overfill). The evaluation included visual assessment; material sampling for laboratory testing (chloride profile determination, carbonation, and petrographic evaluation); ground-penetrating radar testing to map reinforcing cover depths and concrete thicknesses; and half-cell corrosion potential mapping. Developed conceptual repair options to extend the deck service life and reduce future maintenance.
09/17–04/18	BRIDGE CONDITION ASSESSMENT FOR I-10: LA 415 TO ESSEN (LaDOTD Task Order H.004100.2-1, PO No. 2-306790) LA Project Engineer. Led field and laboratory efforts involving nondestructive testing using eddy-current-based covermeters and GPR, concrete core sampling, and petrographic evaluation and laboratory testing of concrete samples to identify potential long-term degradation issues.
10/17–12/17	MATERIALS TESTING FOR LADOTD BRIDGES Metairie, Port Allen, and Baton Rouge, LA Project Engineer for materials testing projects including the removal of steel samples from the Causeway Boulevard Bridge over Earhart Expressway in Metairie to determine material strength properties and chemical composition and the removal of forty-five concrete cores from the substructure elements of select bridges along I-10 in Port Allen and Baton Rouge for testing and petrographic evaluation.
01/16–07/16	RAMP STRUCTURES A AND D OF I-55/64 POPLAR STREET COMPLEX East St. Louis, IL Project Engineer. Completed condition assessment of structures, which include 16 framing units consisting of two, three, four, and five span, two-girder systems and single span, multi-girder systems. Inspection and analysis of the deck, superstructure, and substructure of the structures were performed. Performed concrete assessment, corrosion testing, and ground-penetrating radar testing of deck and substructure elements. Performed reflective ultrasonic testing of deck elements using impact-echo and ultrasonic tomography to determine accurate thicknesses for design of bridge expansion finger joint systems.
05/13–07/14	SLIP FORMED BRIDGE PARAPET RESEARCH AND DESIGN IMPROVEMENTS Various locations, IA and IL Project Engineer. Completed research study on the applicability of using NDT methods for the assessment of construction-related defects and corrosion of doweled connections within slip formed bridge parapets for the Iowa and Illinois transportation departments. Recommended methods and testing procedures for use during quality assurance and acceptance processes during construction and for future parapet condition surveys. WJE developed testing procedures and performed trial-testing of slip formed and cast-in-place barriers on several in-service bridges and barriers. Led the research and laboratory and field testing specific to evaluation of the applicable NDT methods.
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.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Leonard L. Phelps	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	40	
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 over four 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.			
08/25	LIVINGSTON AVENUE BRIDGE REPLACEMENT Albany, NY Project Advisor for developing a coating system for bolted connections and assisting with constructability reviews.			
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.			
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.			
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.			
5/19-09/20	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.			

04/15	I-20/I-55 BRIDGE OVER THE PEARL RIVER, FATIGUE RETROFITS Jackson, MS Lead Chemist. The twin I-20/I-55 structures consist of precast prestressed concrete girder approach spans and a 3-span continuous welded plate girder river crossing with a maximum span length of 130 feet. WJE was retained to develop and install fatigue retrofits to address distortion-induced cracking and to correct observed section loss in the girders at the abutments. As Lead Chemist, provided guidance for the surface preparation of the substrate, which included lead containing coatings and painting of the bridge repairs. Advised on bridge coating repair issues including the removal of a holding primer prior to the application of a permanent coating system.
06/11–04/14	REEDS ISLAND BRIDGE Hilo, HI Primary Coating Inspector and Lead Chemist to prepare specifications for preparation and shop painting of new galvanized steel, and for the field repair and painting of site elements in the prevailing damp, wet environment due to average rainfall of about 130 inches per year and moisture from the waterway below. Led efforts to perform site inspections of shop and field surface preparation and coating application.
10/12–11/12	BRIDGE INSPECTIONS & EVALUATIONS Iowa DOT Various Locations, IA Primary Coating Advisor and Reviewer for the inspection and evaluation of weathering steel patinas for thirty-one bridges as part of research project to evaluate the performance of weathering steel bridge structures to identify types of structures that are most vulnerable to chloride contamination, identify locations on individual structures that are most susceptible, identify possible testing methods or inspection techniques, evaluate the effectiveness of water washing, and develop prioritization for washing based on the type and condition of the structure.
09/05–10/07	ALOHA STADIUM Honolulu, HI Primary Coating Inspector and Lead Chemist responsible for assessing the condition of the substrate and extant coatings applied to structural weathering steel of the Aloha Stadium. Subsequently developed specifications for surface preparation and application of coating system (zinc-rich primer; epoxy stripe, filler, and intermediate; and fluoropolymer finish) of the salt contaminated structural weathering steel. Performed numerous site inspections of multiple phases of work required to prepare and coat the steel in a salt environment.
03/1999–08/1999	CHICAGO SKYWAY Chicago, IL Project Manager and Primary Coating Inspector performing a condition assessment of existing coatings and underlying steel substrate of the Calumet Bridge, viaducts, overpasses, and ramps. Adhesion testing, coating thickness measurement, review of substrate condition, and assessment of original substrate preparation were done.
12/1996	BRIDGE OF THE AMERICAS Panama City, Panama Primary Coating Inspector overseeing the coating condition survey for the bridge coating condition evaluation of the riveted tied-arch bridge that spans a mile and a half over the Panama Canal. For the condition survey of the coating covering the bridge steel (an oil-based primer pigmented with red lead and top coated with aluminum pigmented alkyd-based coating), witnessed tests conducted by contractor on the existing coating system and he conducted random on-site evaluations of the existing coating on accessible areas of the bridge, including surface chloride analyses, peel-adhesion tests, and coating thickness tests. Performed a review of the coating specifications and proposed a method of surface preparation and a recoating system.

FIRM EMPLOYED BY		Wiss, Janney, Elstner Associates, Inc. (WJE)		
NAME	Deborah Slaton, MA	YEARS OF EXPERIENCE WITH THIS FIRM/EMPLOYER	39	
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 over 40 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.			
08/24-ongoing	PROMONTORY POINT AND MORGAN SHOAL REVETMENTS, BURNHAM PARK Chicago, IL Preservation Consultant for assessment of historic revetments on Lake Michigan shoreline.			
12/23-ongoing	CLARENCE DARROW BRIDGE Jackson Park, Chicago, IL Preservation Advisor and principal author of assessment report.			
02/21-11/22	PALAZZO CANEVARO U.S. Department of State U.S. Consulate, Florence, Italy Preservation Advisor and coauthor of Historic Structures Report on nineteenth century palace.			
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-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).			
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.			
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.			
05/18-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.			

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.
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).
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>
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.
12/13–09/21	COW BAYOU SWING BRIDGE Orangefield, TX Preservation advisor for assessment of the historic bridge.
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).
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. <i>(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.)</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, C. HALL, 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)*	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, M. YE, M. BRODNAX, N. PRUDHOMME, C. HALL, 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
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, M. BRODNAX, M. YE, 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)*	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, M. BRODNAX, J. KREBS, K. MALPANI, M. YE, B. SHANMUNGAM

TASK RELEVANCE:

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



FIRM NAME	Stantec Consulting Services Inc.		PAST PERFORMANCE EVALUATION CATEGORY(IES)*	Road, Bridge
PROJECT NAME	SR 16/SR 149 FLOODWAY CHANNEL YAZOO RIVER		FIRM RESPONSIBILITY (prime or sub?)	Prime
PROJECT NUMBER	BR-0037-04(059) / 107397-301000	OWNER'S NAME	Mississippi Department of Transportation and Development	
PROJECT LOCATION	Yazoo County, 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)	11/22	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$529.0
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$529.0

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

Mississippi DOT selected Stantec for replacement of three important bridges over the Yazoo River.

Three bridges along SR16/SR149 over the Yazoo River Relief Channel system were deemed structurally deficient and needed to be replaced. The main bridge (211.1) showed signs of severe and irreparable degradation which warranted a posting for weight restriction. Given their proximity to Bridge 211.1 and sharing the same date of construction, the approach bridges (210.9 and 211.8) were included to avoid additional future traffic disruptions by including them in the same replacement schedule. The existing alignment was utilized, thus requiring the route to be closed during construction.

Stantec delivered final plans, using OpenBridge Modeler, in August 2023 with construction beginning later that same year. The bridge span arrangements are as follows:

- Bridge 210.9: three spans at 100-ft (FIB-45); steel pipe pile concrete cap bents
- Bridge 211.1: three span steel continuous 928-ft (280-ft, 368-ft, 280-ft); steel pipe pile concrete cap abutments & drilled shaft concrete cap bents; tangent with 20-deg right forward skew
- Bridge 211.8: three spans at 100-ft (FIB-45); steel pipe pile concrete cap bents; horizontal curve

Design software used to complete the design and analysis included CONSPAN (prestressed concrete girders), MDX (steel plate girders), RC-Pier (substructure), and AASHTOWare BrR (load ratings). All design was in accordance with current AASHTO LRFD Design Specifications.

To accommodate the extreme loads and movements of the structural steel plate girders, disc bearings (uni-directional and fixed) and segmental joints were utilized. Due to the skew angle, segmental joints provided a more robust solution when compared to modular or finger joints.

Considerable estimated scour is expected to compromise some of the foundations. This resulted in a decision to use large diameter (20-in) pipe piles for the FIB abutments and a double row for the steel bridge. The bridge was analyzed and designed in accordance with the AASHTO provisions for Seismic Zone 1.

Construction administration duties include reviewing shop drawings, addressing RFIs, and construction engineering.

TEAM MEMBERS INVOLVED: B. JOHNSON, J. KREBS, M. YE, K. MALPANI, B. SHANMUGAM, W. HAWKINS

TASK RELEVANCE:

- ☒ Bridge Design
- ☒ Steel Plate Girder Design
- ☒ Seismic Design
- ☒ Bridge Load Rating
- ☒ Construction Support



FIRM NAME	Civil Design & Construction, Inc.		DISCIPLINE(S)		Survey
PROJECT NAME	VEROT SCHOOL ROAD			FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.011235	OWNER'S NAME	Louisiana Department of Transportation and Development (sub to Huval & Assoc.)		
PROJECT LOCATION	Lafayette, LA			OWNER'S PROJECT MANAGER	Thomas Gattle (Huval & Assoc.)
OWNER'S ADDRESS, PHONE, EMAIL		922 W. Point Des Mouton Rd., Lafayette, LA 70507 337-234-3798 tgattle@huvalassoc.com			
SERVICES COMMENCED BY THIS FIRM (MM/YY)		08/16	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)		Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$435
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)					

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

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

Performed in LA: 100%

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



FIRM NAME	Civil Design & Construction, Inc.		DISCIPLINE(S)		Survey
PROJECT NAME	LA 317 - WAX LAKE B			FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.014824.5	OWNER'S NAME	Louisiana Department of Transportation and Development (sub to Stanley Consultants)		
PROJECT LOCATION	St. Mary Parish			OWNER'S PROJECT MANAGER	Adam Fields (Stanley Consultants)
OWNER'S ADDRESS, PHONE, EMAIL		700 Main Street Baton Rouge, LA 70802 225-387-2422 FieldsAdam@stanleygroup.com			
SERVICES COMMENCED BY THIS FIRM (MM/YY)		12/24	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)		04/25	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$162
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)					

Project Description: CD&C was a sub-consultant on this project and was responsible for a complete topographic survey, utility coordination with utility companies to mark or provide record drawings and to provide an existing drainage map to LADOTD Location and Survey standards. The survey started 1.60 miles south of the intersection of La 317 and US 90. The survey continued along US 90 for 2.3 miles north of the intersection of La 182. The width of the survey was five feet behind the right of way to the apparent right of way of all crossing streams, canals, and 500 feet from any drainage structure.

CD&C's Role: The scope of work consists of providing a complete topographic survey. 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.

Performed in LA: 100%



TEAM MEMBERS INVOLVED: K. WESTON, M. MILLS, B. JACOBS, S. BENTON, C. GOODSPEED, J. STOEHR

FIRM NAME	Civil Design & Construction, Inc.		DISCIPLINE(S)	Survey
PROJECT NAME	LA 443: TANGIPAHOA RIVER EMERGENCY BRIDGE REPLACEMENT		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER	H.02728.5	OWNER'S NAME	Louisiana Department of Transportation and Development (sub to Huval & Assoc.)	
PROJECT LOCATION	Tangipahoa 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)	10/16	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		N/A
SERVICES COMPLETED BY THIS FIRM (MM/YY)	11/16	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$81
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

Project Description: This Project was for the Emergency replacement of the bridge on LA 443 over the Tangipahoa River due to the Historic Floods in August of 2016. The project is located Northeast of Hammond, Tangipahoa Parish, Louisiana, 4 miles Northeast of the intersection of La 1064 and La 443. The survey total length was approximately 1500'. The width of the survey and DTM was extended to a total of 170 feet (90 feet North of the existing centerline of La 443 and 80 feet South of the existing centerline of La 443).

CD&C's Role: 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 cross-sectional 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 fieldwork was completed in less than 3 weeks.

Performed in LA: 100%

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



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.

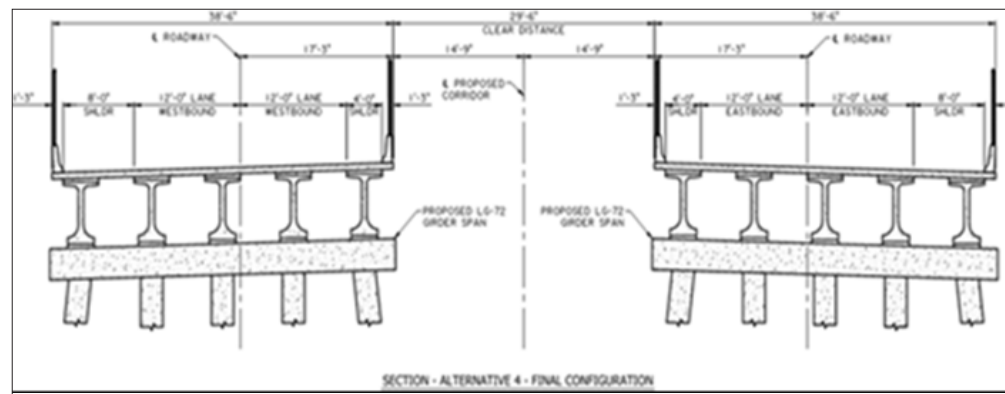
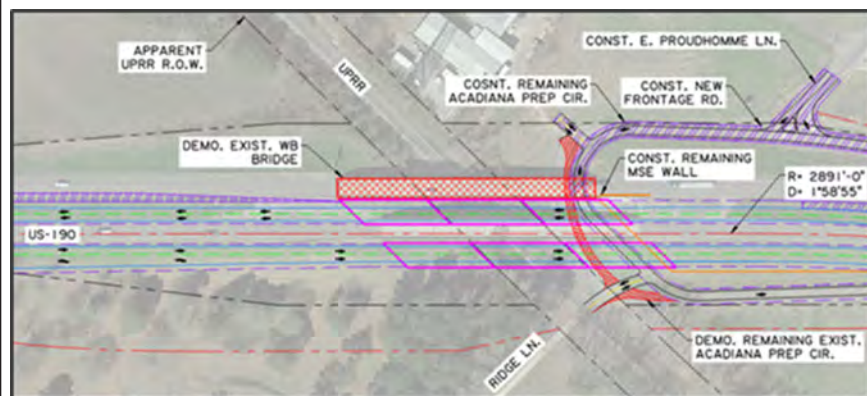
TEAM MEMBERS INVOLVED: **B. HOLLEMAN, R. WILSON**



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**



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	Meyer Engineers, Ltd.		DISCIPLINE(S)	Bridge
PROJECT NAME	CAUSEWAY BRIDGE BASCULE BRIDGE TENDER HOUSE		FIRM RESPONSIBILITY (prime or sub?)	Sub
PROJECT NUMBER		OWNER'S NAME	Greater New Orleans Expressway Commission sub to GEC	
PROJECT LOCATION	Jefferson Parish, LA		OWNER'S PROJECT MANAGER	Cary A. Bourgeois, PE
OWNER'S ADDRESS, PHONE, EMAIL		8181 Goodwood Boulevard, Baton Rouge, LA 70806 225-405-9513 cbourgeois@gecinc.com		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	01/22	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$25
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$25
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 two upper levels of the Bridge Tender's House located on the Causeway Bridge. Meyer Engineers, Ltd. (Meyer) reviewed the existing conditions of the structure, and in conjunction with Gulf South Engineers & Consultants have determined that the scope of work is as follows:

- Removing and replacing all existing windows at the operator's level 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.
- Reconfigure the tender's windows into an impact resistant, operable door to allow direct access to the catwalk outside.
- Paint all interior surfaces.
- Remove and replace all finish flooring with new material.
- Remove and replace all furniture/millwork with new construction to facilitate a more efficient layout for tenders.
- Provide better lighting for nighttime operations.
- Reduce ambient noise by installing acoustical absorbent materials.
- Upgrade existing air condition units and ventilation.
- Remove and replace stair tread anti-slip strips.
- Recover existing roof surface with new seamless waterproofing membrane.
- Repair access ladder to roof and install new roof safety railings.
- Patch and repair any structural damage within the scope of work.

The lower level holds the critical electronic equipment vital to the operation of the bridge. Even though the room is provided with adequate air conditioning, the dispersal of tempered air from this room percolates into the upper two floors. This adds to the imbalance in the ambient air temperature making it uncomfortable for the tenders. This imbalance will be investigated and rectified as part of this project.

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

TEAM MEMBERS INVOLVED: **A. DAVIS**



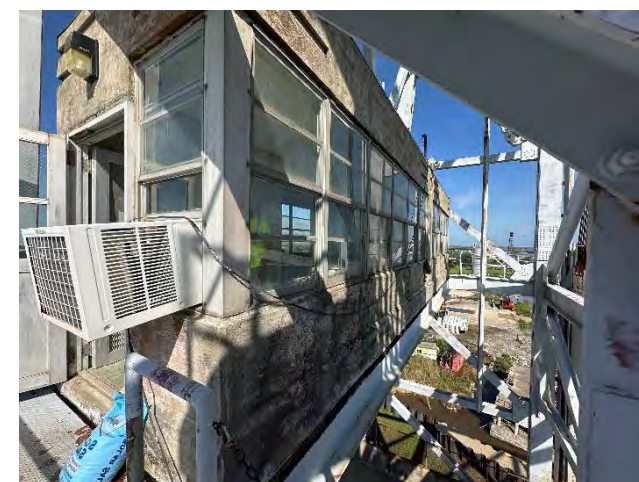
FIRM NAME	Meyer Engineers, Ltd.		DISCIPLINE(S)	Bridge
PROJECT NAME	CONTRACT 5 FOR MOVABLE BRIDGES (6)			FIRM RESPONSIBILITY (prime or sub?) Sub
PROJECT NUMBER	State Project Nos. H.11998, H.011990, H.013819, H.011997, H.010001	OWNER'S NAME	Louisiana Department of Transportation and Development (sub to 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)		\$164
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. Meyer Engineers, Ltd. (Meyer) 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:

- Removing and replacing 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.
- Removing and replacing 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	Meyer Engineers, Ltd.		DISCIPLINE(S)	Bridge
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)		\$130
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. Meyer Engineers, Ltd. (Meyer) 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:

- Removing and replacing 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.
- Removing and replacing 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	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)		\$1,662
SERVICES COMPLETED BY THIS FIRM (MM/YY)	07/2025	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$1,464

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.

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



FIRM NAME	Wiss, Janney, Elstner Associates, Inc.		DISCIPLINE(S)		Bridge
PROJECT NAME	T-1 STEEL WELD INSPECTIONS AND REPAIRS OF THREE EXISTING BRIDGES			FIRM RESPONSIBILITY (prime or sub?)	Sub /Prime
PROJECT NUMBER	H.009730.4, 44-21594 H.009730.5, 44-21594	OWNER'S NAME	Louisiana Department of Transportation and Development Office of Engineering		
PROJECT LOCATION	Vicksburg, Mississippi, and New Orleans and Morgan City, Louisiana			OWNER'S PROJECT MANAGER	Kelly M. Kemp (IWGO); Stepanie Doolittle, P.E. (I-20); Bradley Mistich, P.E. (US 90
OWNER'S ADDRESS, PHONE, EMAIL		P.O. Box 94245, Baton Rouge, LA 70804 225.379.1809, Kelly.Kemp@LA.GOV 225.379.1329, Stephanie.Doolittle@la.gov 225.379.1544, Bradley.Mistich@la.gov			
SERVICES COMMENCED BY THIS FIRM (MM/YY)	12/2022	TOTAL CONSULTANT CONTRACT COST (\$1,000's)			\$1,303
SERVICES COMPLETED BY THIS FIRM (MM/YY)	08/2025	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)			\$724
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)					

In December 2021 the Federal Highway Administration (FHWA) provided direction to states for in-service inspection and testing of butt welds in bridges that included fracture critical members fabricated from AASHTO M244 Grade 100 (ASTM A514/517) steel, commonly identified as "T-1" steel. Louisiana Department of Transportation and Development (LADOTD) identified three bridges subject to the inspection program. WJE's objective was to perform visual and ultrasonic examination of the butt welds joining T-1 steel plates using conventional ultrasonic testing. WJE subsequently inspected 332 welds. A portion of the UT work was performed by WJE's subconsultant and with quality assurance provided by WJE inspectors.

The Intracoastal Waterway Gulf Outlet (IWGO) in New Orleans was constructed in 1967 with the 6,622-foot-long structure carrying two lanes of traffic in each direction over the Intracoastal Waterway Gulf Outlet. The truss spans have a total length of 1,248 feet and are comprised of two anchor/cantilever spans and one tied-arch suspended span. WJE, aided by a subconsultant, performed ultrasonic inspection of 146 butt welds and identified 14 welds with critical findings. The critical findings at 12 of the welds were removed by coring. The two remaining welds with rejectable defects were too large to remove through coring without adversely affecting the rating factor of the member, so four repair options were developed and recommendations were provided. The DOTD elected to grind out the defects without restoring the member cross section. WJE self-performed this repair work in December 2024. A load rating was performed that incorporated the effects of coring and grinding on the rating factors at each retrofitted location.

The US 90 Atchafalaya River Bridge at Morgan City is approximately 1,839 feet in length and is a steel cantilever structure built in 1975. In total, 50 individual rejectable defects were identified in 31 welds. Because the member load ratings are controlled by the current member section properties, any removal of material would reduce the member load rating. WJE was subsequently retained to remove the defects by grinding. UT was used to verify the successful removal of the defect and confirm the remaining thickness of the flange. The repair work was completed in March 2025. Updated rating factors were developed by WJE for each repaired location.

The I-20 Bridge over the Mississippi River at Vicksburg, Mississippi, is approximately 11,052 feet in length and is a steel cantilever structure built in 1973. Eight truss member welds containing rejectable indications determined by UT were observed while inspecting the north and south trusses. Two could be remediated by coring, and for the other six, WJE recommended defect removal by grinding. WJE was requested to complete the repairs and update the load ratings. Repair work was completed in March 2025.

TEAM MEMBERS INVOLVED: **J. MCGORMLEY, C. SCHROEDER**



FIRM NAME	Wiss, Janney, Elstner Associates, Inc.		DISCIPLINE(S)	Bridge
PROJECT NAME	SIR AMBROSE SHEA LIFT BRIDGE			FIRM RESPONSIBILITY (prime or sub?) Sub
PROJECT NUMBER	N/A	OWNER'S NAME	Government of Newfoundland and Labrador, Department of Transportation and Public Works	
PROJECT LOCATION	Placentia, Newfoundland and Labrador Province (Canada)			OWNER'S PROJECT MANAGER Jack Ajrab, Technical Director Parsons Corporation
OWNER'S ADDRESS, PHONE, EMAIL		(Parsons) 1223 Michael Street North, Suite 100, Ottawa, ON K1J 7T2 Canada Jack.Ajrab@parsons.com		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	09/2012	TOTAL CONSULTANT CONTRACT COST (\$1,000's)		\$47.7
SERVICES COMPLETED BY THIS FIRM (MM/YY)	09/2016	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM (\$1,000's)		\$1.8
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)				

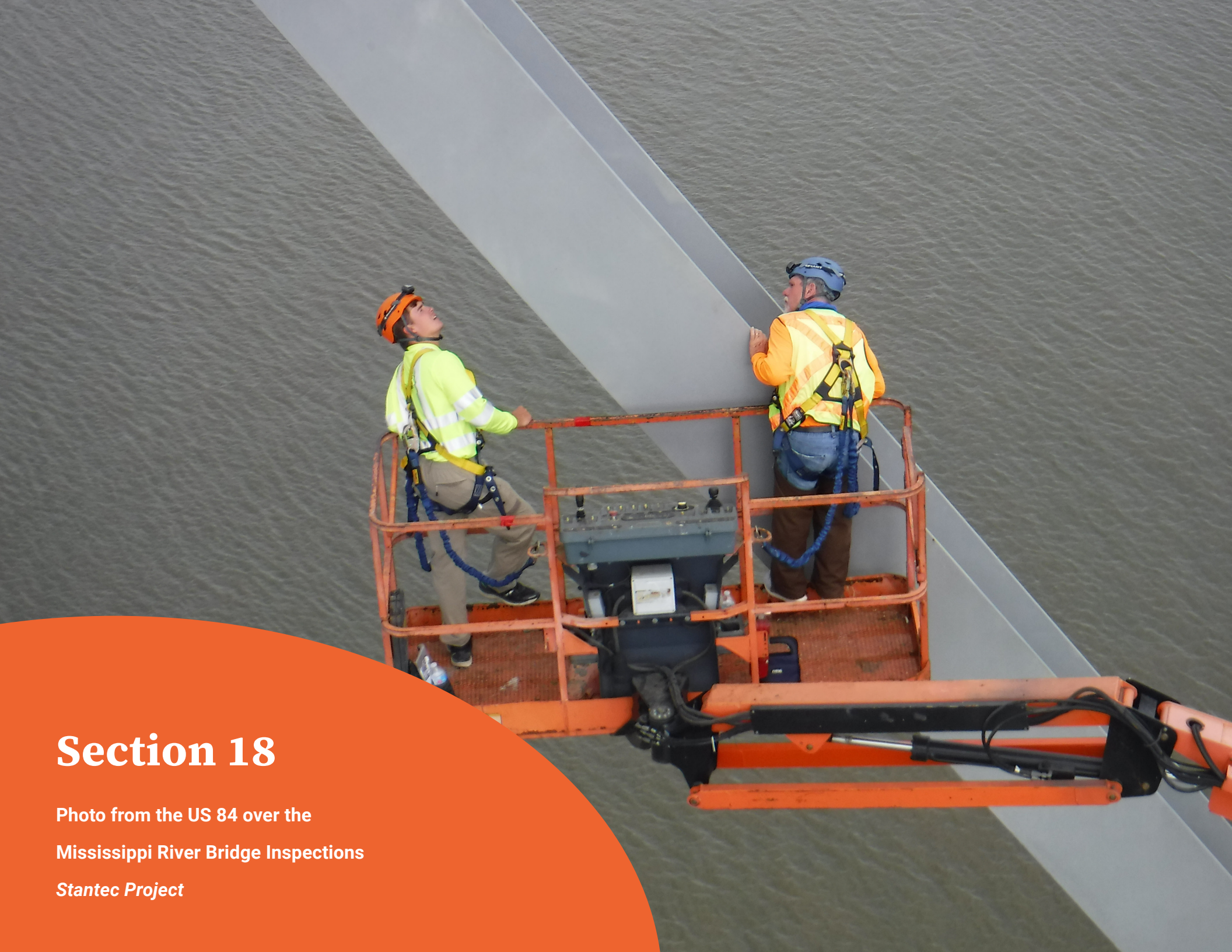
Located on the Avalon Peninsula in Placentia, a town in the Canadian province of Newfoundland and Labrador, the Sir Ambrose Shea Lift Bridge provides a vital connection for local communities while supporting the region's commercial fishing industry. The bridge is raised approximately 2,400 times annually and is one of the few vertical lift bridges in Canada. This project was recognized with the 2017 Transportation Award of Merit from the Consulting Engineers of Ontario, the 2017 Canadian Consulting Engineering Award of Excellence and the 2016 Design Awards for Excellence in Steel Construction from the Canadian Institute of Steel. WJE provided mechanical and electrical engineering services for this new tower drive vertical lift bridge from inception through completion. Services included development of a bridge design report; preparation of plans, specifications, and cost estimates for the design of all machinery and electrical systems, and construction services. WJE's design features two mechanically independent tower drive systems. Rolling element main counterweight sheave bearings were selected to minimize friction and maintain a compact machinery package that would fit in the available space.

The mechanical design includes all span support machinery (counterweight sheaves and bearings, counterweight ropes and terminations, and live load supports), span drive machinery (motors, brakes, couplings shafts, and speed reducers), and span locks (motors, speed reducers, lock bars, guides, and receivers). The objective of the mechanical design was to integrate the mechanical systems into the structure with minimal impact from a visual perspective, while minimizing maintenance requirements and improving overall system efficiency.

The electrical scope of the project included specifying and designing the bridge electric utility service, a standby generator, motor control centers in each tower, a redundant control system, monitoring field feedback devices and a highway traffic control system. The control system utilized a PLC-based system for control and monitoring, including the capability for remote system access. The span drive systems utilized digitally-controlled, variable speed motor drives.

TEAM MEMBERS INVOLVED: J. WILLIAMS, G. REES



A high-angle photograph shows two construction workers on an orange aerial lift platform. They are positioned on a large, grey, diagonal structural beam, likely a bridge girder, which extends from the top left towards the bottom right. The worker on the left wears a bright yellow safety vest, an orange helmet, and is looking upwards. The worker on the right wears a yellow safety vest, a blue helmet, and is looking towards the left. Both are wearing safety harnesses. The lift platform is orange with a control panel in the center. The background is a vast, grey, rippled body of water. An orange curved graphic element is in the bottom left corner.

Section 18

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

18. **Approach and Methodology:**

This IDIQ consists of three contracts that involve statewide Bridge Preservation Programs that are designed to upgrade bridges, promote motorist safety, and benefit the economy. Task orders on these types of contracts are centered around a particular bridge site or batch of bridges, and typically involve a variety of additional services including inspections, roadway, traffic, survey, geotechnical, environmental, and permitting. Repairing or upgrading bridges that do not meet the current specifications regarding strength and serviceability requirements, along with bridge replacements or new construction, are possible tasks. Stantec has served LADOTD on several previous bridge focused IDIQs and understands expectations set forth in the scope of services. With this knowledge, the Stantec team is confident we have the expertise to address challenges while being cognizant of potential impacts.

THE STANTEC TEAM

Stantec will serve as the prime consultant and will work closely with subconsultants Wiss Janey, Elstner Associates, Inc. (WJE), Forte and Tablada, Inc. (F&T), GeoEngineers, Inc. (Geo), Civil Design and Construction (CDC), and Meyer Engineers, Ltd.(Meyer), to provide the necessary services outlined in Attachment "A" – Scope of Services, of the advertisement related to Bridge Design (Fixed & Movable), Geotechnical, Roadway/Traffic, Surveying & Title Work, Bridge Inspection, and Environmental & Permitting as outlined in the scope of services.

A PROVEN APPROACH THROUGH EXPERIENCE

Over the past 20 years, our current Stantec staff (specifically our proposed PM), have served, have 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

LADOTD No. 440000642, Bridge Retainer (2008-2012)
LADOTD No. 440000667, 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 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

Each task order will follow the same procedure as shown below.

- Gather and review existing data/information
- Assess LADOTD goals and expectations
- Perform the required service(s), from field investigations and pre-engineering to design and construction support in accordance with LADOTD & AASHTO
- Perform QA/QC in accordance with LADOTD policies and our QMP (draft copy provided in Section 21) on deliverables
- Work with LADOTD to address comments/concerns to provide a quality and accurate project
- Transmit final deliverables

1. BRIDGE DESIGN SERVICES

1.1 General Bridge Engineering services will be provided for fixed and movable bridges with project types including new bridges, replacement, rehabilitation, preventive maintenance and repair, and roadway lighting.

→ INSPECTION AND CONDITION ASSESSMENT

LADOTD's recently published On-System and Off-System Bridge Inspection Manuals (2024 versions) 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 many decades. Element level inspections of steel or concrete girder spans are generally completed using appropriate methods for each situation including from the ground, ladders, boats, manlifts, bucket boats, and under-bridge inspection units. Each inspection team member will be selected 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 engineers, can mobilize to tackle larger bridges in a shorter period. Larger inspection teams are strategically broken into smaller groups led by seasoned team leaders to evaluate and complete certain bridge elements and components.

MOVABLE BRIDGES - 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 that required 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.

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

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 - Fracture Critical Inspection Techniques for Steel Bridges. Inspectors will take care to 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 use rope access and special aid climbing techniques to be efficient and cost-effective to perform 100% hands-on inspections of truss members and elements. To expedite field work, mechanical lift equipment can be deployed under spans over land or from bridge deck shoulders if traffic conditions are suitable. Rope access techniques, sometimes combined with topside deck traffic control and under bridge inspection trucks, are commonly used to perform 100% hands-on inspection of the floor systems. Floor beams and stringer clip angle connections can, at times, be accessed by inspectors using specialized beam rollers or aiding techniques.

Cable-stayed and suspension main span floor systems, and its components, can commonly be accessed utilizing either a built-in inspection traveler system, SPRAT climbing methods, UBITs, or a combination of all three. Access to the inside of towers is typically accomplished by climbing existing interior ladder systems or from rappelling above. Anchorage points along the supporting edge girders can be accessed off the deck edge by using tie-off and fall protection methods or mechanical equipment. Cables from the towers to the deck can be inspected via numerous methods including drones, SPRAT rope access, or sighted visually from the top and bottom to identify potential anchorage boot conditions, sheathing

cracking, rain & wind drip edging, moisture infiltration points, wind-tie problems, and other defects.

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 the preparation, field work, and report production.

ADDITIONAL INSPECTION SERVICES - **Coating system assessments** will be performed and documented by certified SSPC Protective Coatings Specialists or NACE 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.

→ BRIDGE REHABILITATION AND REPAIR

When a bridge rehabilitation/repair is needed, whether determined through inspection or at the request of LADOTD, the process of determining the scope 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
- Field investigation of existing structure, if not previously performed
- Evaluate load-carrying capacity of existing structure
- Determine proposed rehabilitation scope
- Summarize results and recommendations

If a project moves into the design phase, milestones for preliminary and final plan development will be established based on the project's complexity and prioritization. Bridge design activities may include analyzing structures with repairs in place, new members to replace existing, or adding elements to strengthen existing members. Construction cost estimates, "as-designed" load rating reports, specifications, and calculation

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.

books will be included with the appropriate milestones. Assistance will be provided to 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.

→ 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 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. 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.

Projects completed in LA include the new I-10 Loyola Interchange (Design-Build) in Kenner, Nelson Road Extension in Lake Charles, I-20/Tarbutton Road Interchange in Ruston, McCain Creek Bridge Replacement in Caddo Parish, and I-210/Cove Lane Extension and Interchange in Lake Charles. Projects in progress include Hearne Ave. over KCS in Shreveport and Box Culvert Initiative in Districts 03 & 05.

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

Data and information gathered during the design, construction, or inspection phases will be reviewed and used to develop a bridge load rating analysis using AASHTOWare BrR, accompanied with other appropriate software packages, to identify areas and elements that may need to be strengthened or replaced to meet established rehab criteria. Stantec will implement the procedures 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

Depending on the project's complexity, construction support can be a major phase of a project and keeping an accurate and up to date log is critical. Stantec has a finely tuned process to manage and track the status of shop drawings, contractor requests for information (RFI), and communications during construction. 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 task order so information can be shared between disciplines and firms to minimize review times and referencing previous submissions.

1.2 Sampling, Instrumentation, and Non-Destructive Testing

services will be provided by WJE who has instrumented and tested hundreds of structures and material samples—in the laboratory and the field—with strain and displacement gages, accelerometers, environmental monitors, and other sensors. WJE's monitoring capabilities include wireless networks, interactive web and video feeds, database archival systems, and automated alarm systems. WJE also has pioneered the use of nondestructive testing (NDT) methods, such as impact-echo, infrared, ground-penetrating radar, half-cell, and magnetic particle testing. In-house laboratory facilities provide for quick analysis and efficient testing capacities. Application of these techniques and tools by WJE can provide LADOTD with methods to evaluate structural behavior and measure the performance of repairs and retrofits.

Typical steps followed for an instrumentation project include: Initial assessment and developing an instrumentation plan; System procurement (determination of sensors and components); Developing traffic and safety plans; Plan execution (instrumentation installation and maintenance); Data acquisition and analysis; Structural analyses; QA/QC of deliverables; and Reporting findings and recommendations.

NDT can be used to efficiently diagnose issues that otherwise may require expensive and disruptive exploratory openings and testing to detect and/or correct. NDE techniques also are used to gain a broader understanding of a structure's condition and performance—information used to develop better targeted and more effective recommendations. WJE's knowledge related to NDT techniques started with the use of reinforcing bar detectors in the 1950s, continued to expand through WJE's staffing and operation of the FHWA's NDE Validation Center in McLean, Virginia, and continues today.

2. GEOTECHNICAL SERVICES

GeoEngineers, with more than 33 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 relevant LADOTD guidelines and national specifications.

3. ROADWAY/TRAFFIC DESIGN

Roadway and Traffic design services will be performed by Stantec which has highly qualified staff with knowledge and experience in delivering LADOTD projects. The identified key staff on the organizational chart are fully acquainted with LADOTD plan development process, and applicable LADOTD design guidelines, standards, and specifications. Services shall include development of preliminary and final plans, hydraulic analysis and design, traffic control design and data collection, and developing Transportation Management Plans (TMP). CDC and Meyer will provide support by assisting with plan development.

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 vessels 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 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 has completed several projects performing topographic surveying services statewide including 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

As previously mentioned, 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 and F&T.

6. ENVIRONMENTAL AND PERMITTING

Stantec will handle environmental and permitting aspects for a variety of projects and applications. Starting with the initial assessment through final permits, our team can provide these services and assist LADOTD through each step. Permit requirements investigated may include Corps of Engineer 404 wetland requirements for each site, water quality certification, scenic stream permits, US Coast Guard Bridge permits, and Levee permits. Meyer will provide support when historic structures are present on the project.

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:

PROJECT SCHEDULE		Year 1												Year 2												Year 3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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NOTE: Scoping kickoff meeting within 10 days of selection

◆ Scoping Kickoff Meeting ◆ NTP & Kickoff Meeting ◆ Transmit Recommendation Report
◆ Attend Plan-in-Hand ◆ Transmit Final Plans

QUALITY ASSURANCE/QUALITY CONTROL

Stantec's quality management plan (QMP) is in accordance with ISO 9001 standards. Each task order will have a specific QMP tailored to the services being provided. 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 policies and includes additional checklists and measures to ensure 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	\$483,929
		4400024461; H.012685.5	LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]; Roadway Design; Drainage	\$49,406
		4400022901; H.011094.5 & H.012005.5	LA 3094: Hearne Ave. Bridge and US 80: KCSRR Overpass (HBI) [Caddo Parish]; Roadway	\$678,176
		4400022582; H.012011	Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]	\$91,100
		4400022582; H.012029	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]	\$95,700
		4400022582; H.012036	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]	\$48,500
		4400022582; H.012037	Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]	\$83,450
		4400029196; H.016255.5	IDIQ Contract for Engineering and Technical Support Services for Critical Projects; Task Order No. 2 LA1:WGS Riverplex RR Overpass	\$724,311
		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	\$230,094
Stantec Consulting Services Inc.	Bridge	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Structure & Bridge	\$117,560
		4400022901; H.011094.5 & H.012005.5	LA 3094: Hearne Ave. Bridge and US 80: KCS RR Overpass (HBI) [Caddo Parish]; Bridge	\$780,044
		4400023922; H.016311	IDIQ Contract for Bridge Preservation; LA 1123: Creek Bridges [Acadia Parish]	\$170,306
		4400023922; H.016312	IDIQ Contract for Bridge Preservation; LA 3116: Creek Bridges [Acadia Parish]	\$186,278
		4400023922; H.016314	IDIQ Contract for Bridge Preservation; LA 3048: Creek Bridge [Richland Parish]	\$106,327
		4400023922; H.016318	IDIQ Contract for Bridge Preservation; LA 3149: Bayou Bridges [Evangeline Parish]	\$152,453
		4400023922; H.016319	IDIQ Contract for Bridge Preservation; LA 542: Creek Bridges [Jackson Parish]	\$163,590
		4400023922; H.016320	IDIQ Contract for Bridge Preservation; LA 3187: Creek Bridge [Evangeline Parish]	\$102,500
		4400023922; H.016325	IDIQ Contract for Bridge Preservation; LA 358: Creek Bridge [St. Landry Parish]	\$104,851
		4400022582; H.012011	Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]	\$24,500
		4400022582; H.012029	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]	\$90,000

Stantec Consulting Services Inc.	Bridge	4400022582; H.012036	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]	\$118,300
		4400022582; H.012037	Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]	\$26,400
		4400029196; H.016255.5	IDIQ Contract for Engineering and Technical Support Services for Critical Projects; Task Order No. 2 LA1:WGS Riverplex RR Overpass	\$433,903
		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	\$297,932
Stantec Consulting Services Inc.	Traffic	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Traffic Engineering	\$110,434
		4400024461; H.012685.5	LA 385: Ryan Street Intersection Improvements [Calcasieu Parish]; Traffic Study; Signal Design	\$31,668
Stantec Consulting Services Inc.	Other (Lighting)	4400024629; H.005967.6	Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; Roadway & Nav. Lighting	\$26,378
		440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Public Relations/Comm.; Lighting; Aviation	\$71,120
		4400020064; H.014286.6	IDIQ Contract for Electrical Services; I-10: LA 26 (Jennings) Interchange Lighting [Jefferson Davis Parish]	\$58,870
		4400020064; H.014272.6	IDIQ Contract for Electrical Services; I-10: LA 97 (Jennings) Intchg Lighting [Jefferson Davis Parish]	\$61,120
		4400020064; H.014287.6	IDIQ Contract for Electrical Services; I-10: LA 99 (Welsh) Intchg Lighting [Jefferson Davis Parish]	\$84,160
		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	\$5,781
Stantec Consulting Services Inc.	CE&I/OV	4400024629; H.005967.6	Nelson Road Ext. and Bridge [Calcasieu Parish, Louisiana]; CE&I and Construction Support	\$350,218
Stantec Consulting Services Inc.	Right-of-Way	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; ROW Acquisition	\$69,646
Stantec Consulting Services Inc.	Survey	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; Survey	\$22,731
Stantec Consulting Services Inc.	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	\$576,954
		4400022582; H.012011	Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]	\$42,244
		4400022582; H.012029	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]	\$41,753
		4400022582; H.012036	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]	\$47,139
		4400022582; H.012037	Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]	\$42,239

Stantec Consulting Services Inc.	Environmental	4400023922; H.016312	IDIQ Contract for Bridge Preservation; LA 3116: Creek Bridges [Acadia Parish]	\$34,213
		4400023922; H.016314	IDIQ Contract for Bridge Preservation; LA 3048: Creek Bridge [Richland Parish]	\$34,524
		4400023922; H.016318	IDIQ Contract for Bridge Preservation; LA 3149: Bayou Bridges [Evangeline Parish]	\$30,778
Stantec Consulting Services Inc.	Environmental	4400023922; H.016319	IDIQ Contract for Bridge Preservation; LA 542: Creek Bridges [Jackson Parish]	\$33,249
		4400023922; H.016320	IDIQ Contract for Bridge Preservation; LA 3187: Creek Bridge [Evangeline Parish]	\$32,768
		4400029196; H.016255.5	IDIQ Contract for Engineering and Technical Support Services for Critical Projects; Task Order No. 2 LA1:WGS Riverplex RR Overpass	\$108,355
		4400023922; H.016325	IDIQ Contract for Bridge Preservation; LA 358: Creek Bridge [St. Landry Parish]	\$27,318
		4400022582; H.012011	Contract for Replacement of Eight Bridges; LA 173 and LA525: Creek Bridges [Caddo Parish]	\$27,300
		4400022582; H.012029	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Bienville and Webster Parishes]	\$46,200
		4400022582; H.012036	Contract for Replacement of Eight Bridges; US 80: Creek Bridges [Richland Parish]	\$30,450
		4400022582; H.012037	Contract for Replacement of Eight Bridges; US 63 and LA 2: Creek Bridges [Union Parish]	\$32,650
Stantec Consulting Services Inc.	ITS	440004128; H.004273.5	Lafayette Regional Airport to I-10/I-49/US 167 Interchange [Lafayette Parish]; ITS	\$4,810
		4400020058; H.012374.05	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-12: Essen Ln to Walker Rd. ITS Ramp Meter Upgrades SA #1 [East Baton Rouge & Livingston Parishes]	N/A
		4400020058; H.013710.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-10/US-61 to Laplace ITS Deployment [Ascension, St. James & St. John Parishes]	\$731
		4400020058; H.001234.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; LA 1: Port Allen Canal BR REPL (PHI) (HBI) [West Baton Rouge Parish]	\$1,262
		4400020058; H.013261.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-110 ITS Deployment [EBR Parish]	N/A
		4400020058; H.011152.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-12: US 190 to LA 59 [St. Tammany Parish]	\$10,899
		4400020058; H.013866.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-12: LA 21 to US 190 [St. Tammany Parish]	\$2,593
		4400020058; H.003047.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-10: Pecue Lane/I-10 Interchange Phase III [EBR Parish]	\$8,173
		4400020058; H.002424.6	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; LA 70: Sunshine Bridge - LA 22 [St. James & Ascension Parishes]	\$5,760

Stantec Consulting Services Inc.	ITS	4400020058; H.015137.1	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; Bonnet Carre ITS Upgrades [St. John the Baptist, St. Charles & Jefferson Parishes]	N/A
		4400020058, T.O. 16	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; I-10 WBR Queue Warning System [Iberville & WBR Parishes]	\$45,508
		4400020058, T.O. 17	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; New Orleans Regional Arch Updates [Orleans, St. Tammany & Tangipahoa Parishes]	N/A
		4400020058, T.O. 19	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; Monroe Phase 3 SEA [Ouachita Parish]	N/A
		4400020058, T.O. 20	IDIQ Contract for Intelligent Transportation Systems (ITS) Design and Implementation Services; Alexandria Reg. ITS Architecture Update [Statewide]	\$83,998
Civil Design & Construction, Inc.	Survey	4400027093/H.014041	LA 92 ROW Maps	\$60,342
		4400026026; H.016037	LA 1138-1 & LA 1138-2	\$371,329
		4400029196; H.016255.5	IDIQ Contract for Engineering and Technical Support Services for Critical Projects; Task Order No. 2 LA1:WGS Riverplex RR Overpass	\$375,922
Forte and Tablada, Inc.	Bridge, Survey	4400021594/H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	\$51,603
	Bridge, Survey	4400024589/H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	\$7,428
	Bridge, Survey	4400013387/H.013137.5	OSBR Ouachita	\$23,249
	Bridge, Survey	4400019864/H.014318.5	OSBR Gurney Road Bridges	\$4,708
Forte and Tablada, Inc.	Bridge	4400021594/H.000303.6	Task Order No. 3 - Danziger Bridge Rehabilitation	\$3,615
	Bridge	4400021594/H.009730.5	Task Order No. 4 - In Depth Bridge Inspection T-1 Steel Weld Assessment	\$562
	Bridge	4400021594/H.015228.5	Task Order No. 5 - LA 70: Sunshine Bridge Emer Truss Repair	\$13
	Bridge	4400021594/H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	\$1,125,031
	Bridge	4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	\$149,009
	Bridge	4400021594/H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	\$5,200
	Bridge	4400021594/H.009859.5	Task Order No. 10 - Statewide Bridge Rating	\$1,168,059
	Bridge	4400025037/H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	\$3,487
Forte and Tablada, Inc.	CE&I/OV	4400023837/H.013090.6	Gretna Downtown Pedestrian Improvements	\$17,868
		4400023837/H.009290.6	LSU Laboratory School SRTS Project	\$5

Forte and Tablada, Inc.	Survey	4400021532/H.012068.5	LA 1026: Creek Bridge	\$10,719
		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	\$14,820
		4400021532/H.013941.5	LA 724: Roundabout @ Landry Road	\$9,872
		4400021532/H.005734.5	LA 447 Corridor Study	\$109,275
		4400021532/H.012563.5	LA 73: Bayou Manchac Bridge (HBI)	\$461
		4400021974/H.002186.5	UP (Plaquemine)	\$6,698
		4400027919/H.000688.5	US 11: Norfolk Southern RR Overpass (HBI)	\$420,329
		4400025029/H.015341	D61(EBR) IIJA Off-System Bridge	\$58,787
		4400025029/H.015341	D61(EBR) IIJA Off-System Bridge - SA 3	\$36,195
		4400004128/H.004273.5	I-49 Connector Additional ROW	\$14,499
GeoEngineers, Inc.	Geotech	4400019012; H.001970.5	LA 561 Boeuf River Bridge near Hebert Phase 2	\$100,884
		N/A; H.003931	P3 I-10 Calcasieu River Bridge Geotechnical	\$2,317,964
		4400019012; H.014981.5	Hosston Road Over Kelly Bayou	\$ 56,246
		4400019012; H.014416.5	LA 3125 @LA 3274 Roundabout	\$7,037
		4400019012; H.014994.5	Bonne Idee Rd Bridge Geotechnical Explorations	\$17,371
		4400019012; H.014985.5	Spring Bayou Rd over Bayou Spring Bridge	\$ 45,855
		4400029196; H.016255.5	IDIQ Contract for Engineering and Technical Support Services for Critical Projects; Task Order No. 2 LA1:WGS Riverplex RR Overpass	\$865,828
		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	\$116,256

Meyer Engineers, Ltd.	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 at PR 929 and Parker Road	N/A
		#4400025412/H.006459.6	Roundabout Churchpoint Road and Roddy Road (CE&I)	\$323
		#4400025702/H.013813.6	Vintage Drive Multi Use Path: Power - Wilson (CE&I)	\$49,752
		#4400024021 / #4400024022 H.015028 / H.002264	Bayou Barataria MB Replacement, Phase I (CE&I) Bayou Barataria MB Replacement (CE&I)	\$128,348
		#4400027183/H.01582.5 – Task 2	LA Hwy. 403 Sidewalks (Paincourtville)	\$150,636
		#440027183/H.015860.5 – Task 3	LA 1 & LA 308 Sidewalks (Belle Rose)	\$256,689
		#4400029079/H.014625.6	Terry Parkway: LA 23-US 90B	\$24,747
		#44000291536/H.014682	Veterans Boulevard: David Drive to Clearview	\$128,692
		#4400028908/H.014334.6	Bonnabel Boulevard: Metairie Road – I-10 (CE&I)	\$58,309
		#4400030093 H.015547 H.014837	IDIQ Contract for Construction, Engineering and Inspection Task Order 1 – Alphonse Forbes over Drainage Bayou Task Order 2 – LA 30	\$173,129 \$390,670
Meyer Engineers, Ltd.	Road	#4400023075/H.013522	S. Lewis Street Widening	\$192,268
		#4400027183/H.016012 – Task 1	IDIQ Contract for Design of Transportation Alternatives Projects Statewide	\$10,031
		#4400027760/H.014509.5	Doucet Road Sidewalks	\$184,410
		#440014181/H.011310	Ford Street Extension	\$222,686
	Bridge	#440021517 H.011998 H.011990 H.013819 H.011997 H.010001	DOTD Contract 5 for Movable Bridges (6) Abbeville Bypass Milton Parks Old Abbeville West Fork Ellender	\$27,380 \$27,380 \$27,380 \$27,380 \$27,380 \$27,380
		#4400021514 H.012003 H.011995 H.010007 H.012568 H.012000	DOTD Contract 2 for Movable Bridges (5) Bayou Tigre St. Martinville Pierre Pass Kelso Little Prairie	\$25,473 \$25,923 \$26,074 \$26,334 \$27,000

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	\$357,990
		#44-25003-T02/H.009730.5	Testing/Evaluation of Structures, TO 2, In-Depth Bridge Inspection, UT of Bridge Pins and Hangers	\$366,184
		#44-25003/H.009730	Testing/Evaluation of Structures, TO , Service Life Estimates	\$534,032
		#4400023923/H.014283	Danziger Bridge Electrical, Mechanical, Structural Repairs	\$1,173,146
		#44-21515/H.012738	Movable Bridge Rehabilitation - Morbihan	\$19,553
		#44-21515/H.010004	Movable Bridge Rehabilitation - Olivier	\$28,807
		#44-21515/H.011974	Movable Bridge Rehabilitation - Dulac	\$70,869.84
		#44-21515/H.011991	Movable Bridge Rehabilitation - Daspit	\$35,757
		#44-21515/H.014191	Movable Bridge Rehabilitation - Nelson	\$35,230

(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)



Certificate of Completion

presented to

Cindy Hall

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: March 10, 2021

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor



Certificate of Completion

presented to

Cindy Hall

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

B. Hall

Authorized Instructor

Cindy Hall

Authorized Instructor

J. D. B.

Authorized instructor



National Highway Institute

Certificate of Training

Brian Johnson

has participated in

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

hosted by

Office of State Aid Road Construction

Date: December 5-16, 2011
Location: Jackson, Mississippi

Hours of Instruction: 60

Ron Larson, P.E.

Instructor

Donna R. Baughman, P.E.

Instructor

Mary Allerton

Local Coordinator

Richard Barnaby
Richard Barnaby, Director
National Highway Institute



Certificate of Completion

presented to

Cindy Hall

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

B. Hall

Authorized Instructor

Cindy Hall

Authorized Instructor

J. D. B.

Authorized instructor



U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training

Brian Johnson

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Louisiana Department of Transportation & Development

Date: April 20-22, 2021
Location: Virtual Delivery, LA

Hours of Instruction: 18

Calein A. MacDougall, P.E.
Digitally signed by Calein A. MacDougall, P.E.
Date: 2021.04.27 13:47:37 -0400

Instructor

Randall Leonard, P.E.
Digitally signed by Randall Leonard, P.E.
Date: 2021.04.22 14:23:51 -0500

Instructor

Allison H. Landry

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute





U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute



Certificate of Training

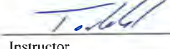
Brian Johnson
has Successfully Completed

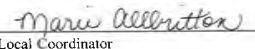
**FHWA-NHI-130078 Fracture Critical Inspection Techniques
for Steel Bridges**
hosted by

Office of State Aid Road Construction

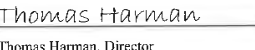
Date: February 07-10, 2023 Hours of Instruction: 25

Location: Ridgeland, MS


Instructor


Local Coordinator


Instructor


Thomas Harman, Director
National Highway Institute

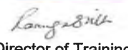


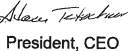
PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

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


Director of Training


President, CEO

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American Traffic Safety Services Association ATSSA.com



ATSSA
Safer Roads Save Lives

Gary Heitman
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 21-JUN-2024

CEU (If Applicable): 0.75

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This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

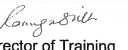


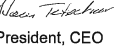
PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

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


Director of Training


President, CEO

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



American Traffic Safety Services Association ATSSA.com



National Highway Institute



Certificate of Training

John Krebs

has participated in

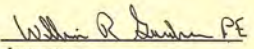
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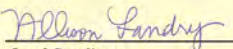
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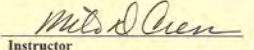
LA DOTD/LTRC

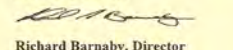
Date: April 30-May 11, 2012 **Hours of Instruction:** 67

Location: Baton Rouge, LA


 William R. Darden PE
 Instructor


 Allison Landry
 Local Coordinator


 Richard Barnaby, Director
 National Highway Institute


 Richard Barnaby, Director
 National Highway Institute



National Highway Institute



Certificate of Training

KUNAL MALPANI

has participated in

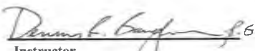
FHWA-NHI-130055 Safety Inspection of In-Service Bridges

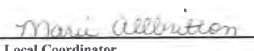
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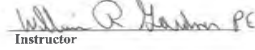
Office of State Aid Road Construction

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

Location: Jackson, Mississippi


 Daniel B. Gandy
 Instructor


 Marie Allbritton
 Local Coordinator


 William R. Darden PE
 Instructor


 Richard Barnaby, Director
 National Highway Institute



National Highway Institute



Certificate of Training

John P. Krebs

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

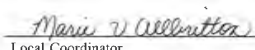
hosted by

Office of State Aid Road Construction

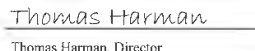
Date: August 30-September 01, 2022 **Hours of Instruction:** 18

Location: Ridgeland, MS


 Lisa A. McCall
 Instructor


 Marie V. Allbritton
 Local Coordinator


 Thomas Harman
 Thomas Harman, Director
 National Highway Institute


 Thomas Harman
 Thomas Harman, Director
 National Highway Institute



National Highway Institute



Certificate of Training

Kunal Malpani

has successfully completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

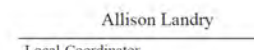
hosted by

Louisiana Department of Transportation and Development

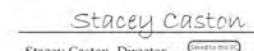
Date: June 25-27, 2024 **Hours of Instruction:** 22

Location: Baton Rouge, LA


 Mark Nyerges
 Instructor


 Allison Landry
 Local Coordinator


 Earl Dubin
 Instructor


 Stacey Caston
 Stacey Caston, Director
 National Highway Institute





National Highway Institute
Certificate of Training



Michael Brodnax

has participated in

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

hosted by

Office of State Aid Road Construction

Date: August 2-13, 2021
Location: Ridgeland, MS

Hours of Instruction: 67

William R. Glavin PE

Instructor

Richard K. Harman

Instructor

Maria Allbritton

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute



National Highway Institute



Certificate of Training

Bagyalakshmi Shanmugam

has successfully completed

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

hosted by

Louisiana Department of Transportation & Development

Date: March 31 - April 11, 2025

Hours of Instruction: 68

Location: Baton Rouge, LA

Richard Kerr

Digitally signed by Richard Kerr
Date: 2025.04.21 10:47:31
-0400

Instructor

Matthew

Donahue

Instructor

Digitally signed by Matthew
Donahue
Date: 2025.04.21 10:51:35 -0400

Allison Landry

Local Coordinator

Stacey Caston

Stacey Caston, Director
National Highway Institute



National Highway Institute
Certificate of Training



Michael Brodnax, Jr.

has Successfully Completed

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

hosted by

Office State Aid Road Construction

Date: June 07-10, 2022
Location: Ridgeland, MS

Hours of Instruction: 25

Tom K. Glavin

Instructor

Richard K. Harman

Instructor

Maria Allbritton

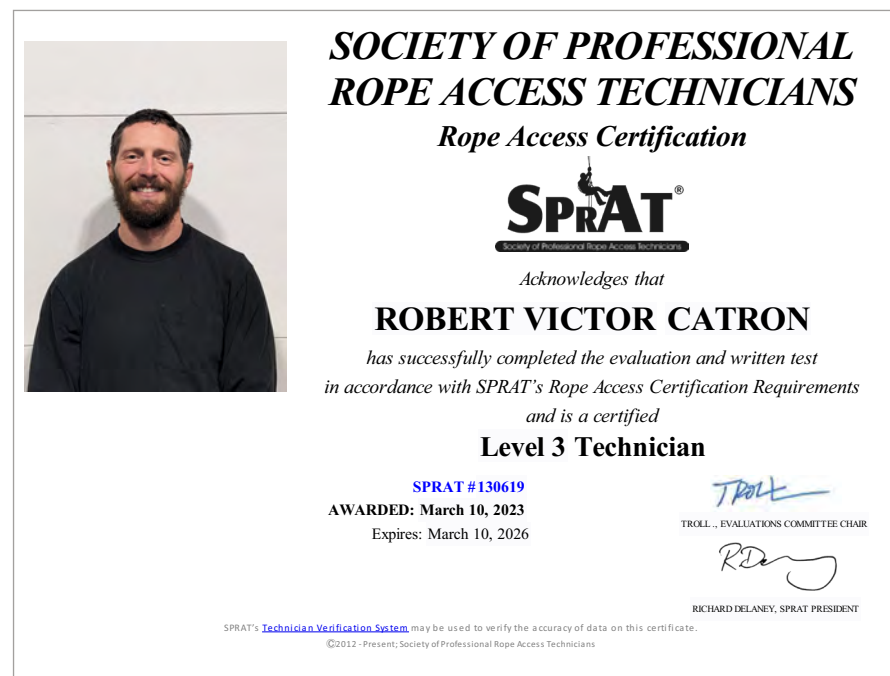
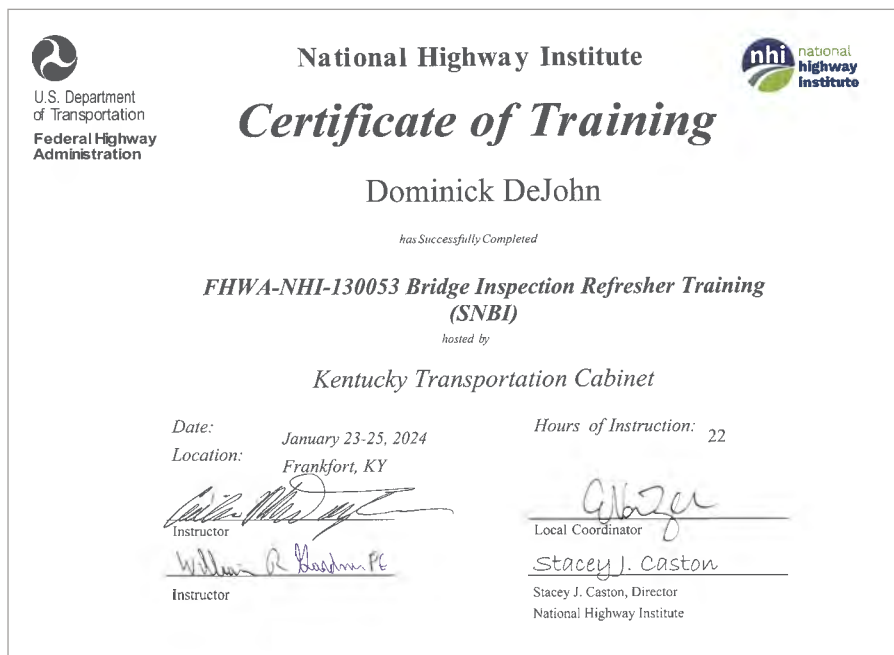
Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute










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

[Signature]
 Stacey J. Caston, Director
 National Highway Institute




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

[Signature]
 Stacey J. Caston, Director
 National Highway Institute




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

[Signature]
 Thomas Harman, Director
 National Highway Institute




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] PE
 Local Coordinator

[Signature]
 Michael Davies, Director
 National Highway Institute



National Highway Institute

Certificate of Training

Tyler Carson

has participated in

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

hosted by

Colorado DOT

Date: July 24 - 27, 2018 **Hours of Instruction:** 25

Location: Denver, CO

Brian D. Distefano
Instructor

Valerie Briggs
Local Coordinator

Valerie Briggs
Valerie Briggs, Director
National Highway Institute



Certificate of Completion

presented to

Joseph Cains III

for completing the

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

Date: March 29, 2022 **Professional Development
Hours (PDHs) Awarded:** 3

Location: Baton Rouge, Louisiana

B801
Authorized Instructor

Jim Holt
Authorized Instructor

Robt J. Brumfield
Authorized instructor



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Joseph Cains III
has attended

**Traffic Control Supervisor Refresher-LA State Specific
Training Course**

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

Baton Rouge, LA
Location

Samuel A. Smith
Director of Training

Alison T. Smith
President, CEO

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



American Traffic Safety Services Association ATSSA.com

Certificate of Completion

presented to

Joseph Cains III

for completing the

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

Date: March 29, 2022 **Professional Development
Hours (PDHs) Awarded:** 3

Location: Baton Rouge, Louisiana

B801
Authorized Instructor

Jim Holt
Authorized Instructor

Robt J. Brumfield
Authorized instructor

Certificate of Completion

presented to

Joseph Cains III

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor



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

Wanda H. Clark
Vice President of Education and Technical Services

Alicia Tschirner
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

Nick Prudhomme

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

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

Baton Rouge, LA
Location

Ronja Bille
Director of Training

Alicia Tschirner
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 Supervisor-LA State Specific

Training Course

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

Baton Rouge, LA
Location

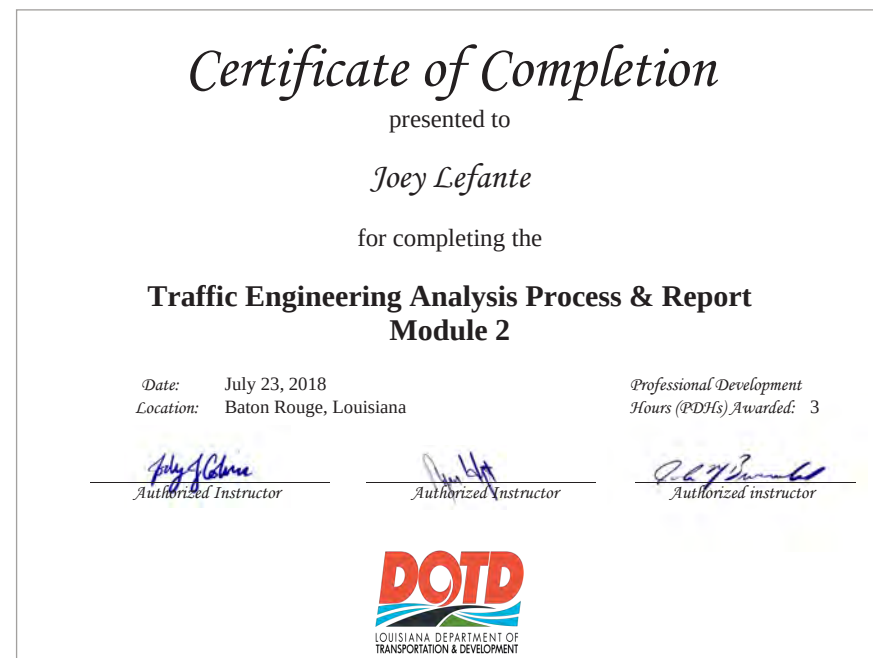
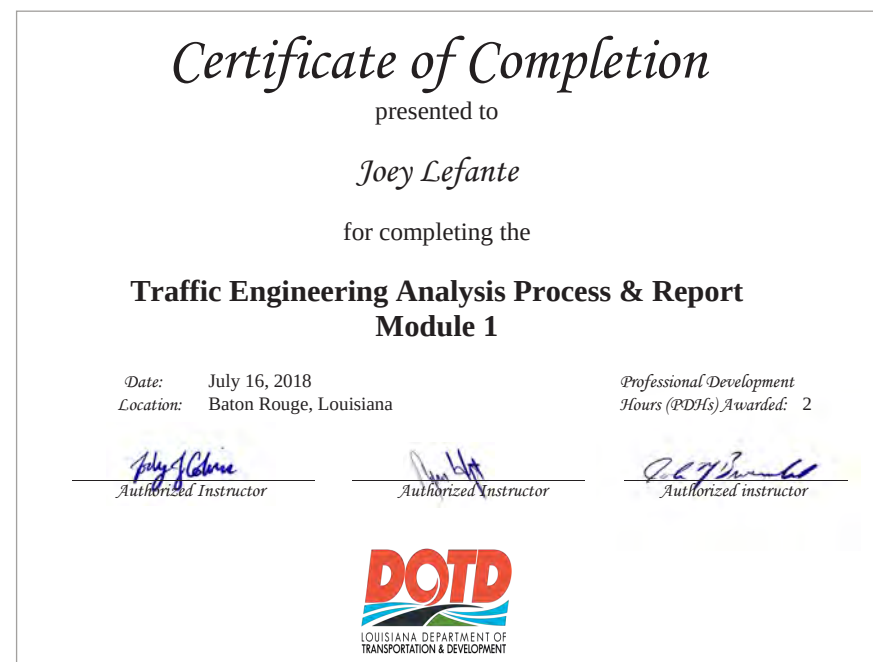
Wanda H. Clark
Vice President of Education and Technical Services

Alicia Tschirner
President, CEO

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



American Traffic Safety Services Association ATSSA.com



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 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 1

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

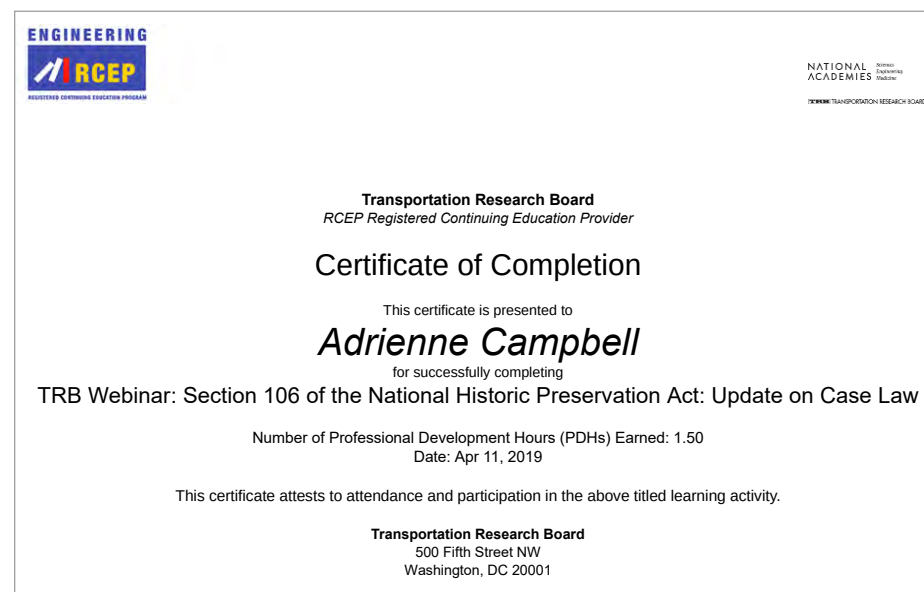
Professional Development
Hours (PDHs) Awarded: 3

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor







The Register of Professional Archaeologists

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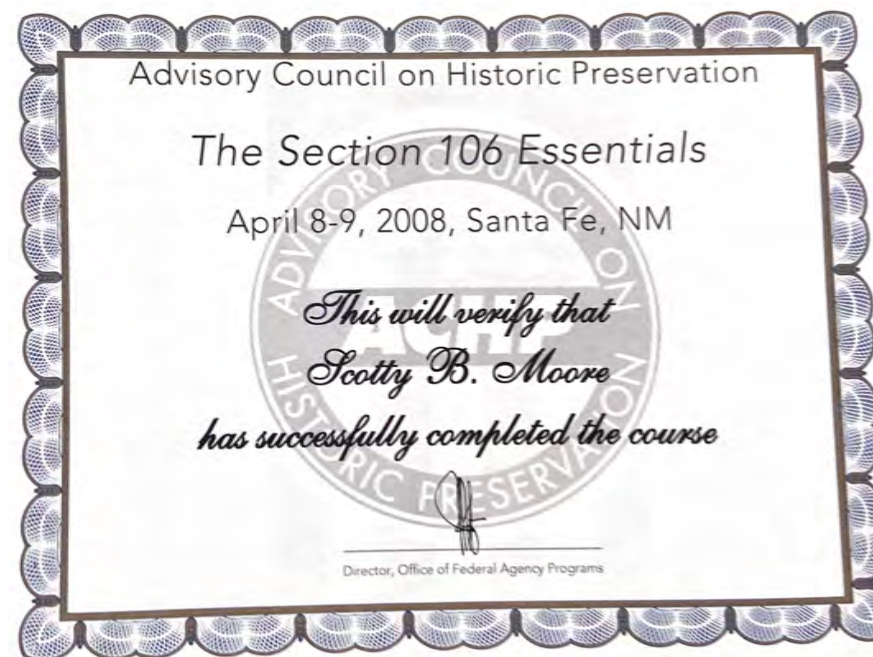
[Back](#)

Scotty Moore [SEND MESSAGE](#)

Stantec

[Member profile details](#)

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



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

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.

Charter Number: 35961196D

Registration Date: 6/15/2005

Domicile 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

File Date: 6/15/2005

Last Report Filed: 5/20/2025

Type: Business Corporation

Registered Agent(s)

Agent: KARLA E. WESTON

Address 1: 7951 FALSE RIVER ROAD

City, State, Zip: NEW ROADS, LA 70760

Appointment Date: 6/15/2005

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 20 of the Code of Federal Regulations
& under the State of Louisiana Unified Certification Program (LAUCP)

Civil Design & Construction, Inc.

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

NC541330, NC541340, NC541350, NC541370

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

Certificate Eligibility: March 2025 to March 2026

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager
Louisiana Department of Transportation & Development



 **American Traffic Safety Services Association**

This is to affirm that

CHRIS BALLARD

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 2/29/2024 Instructor Name Debbie Purcella

Exp. Date 2/29/2028

State Issued LA Instructor Signature *Debbie Purcella*

V0000287042 Verify at Flagger.com







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: 1/9/2025
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 70802

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

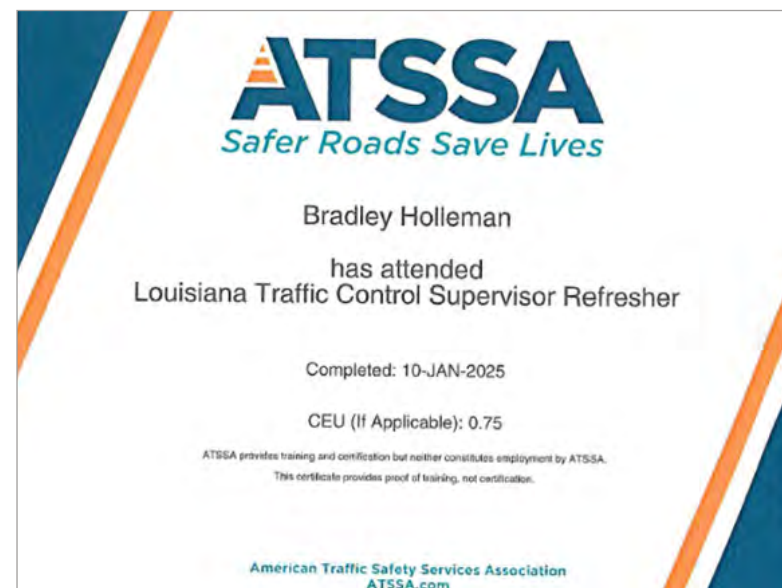
Meat & Hunt
Amy Squitieri
Meat & Hunt Instructor
Amy Squitieri

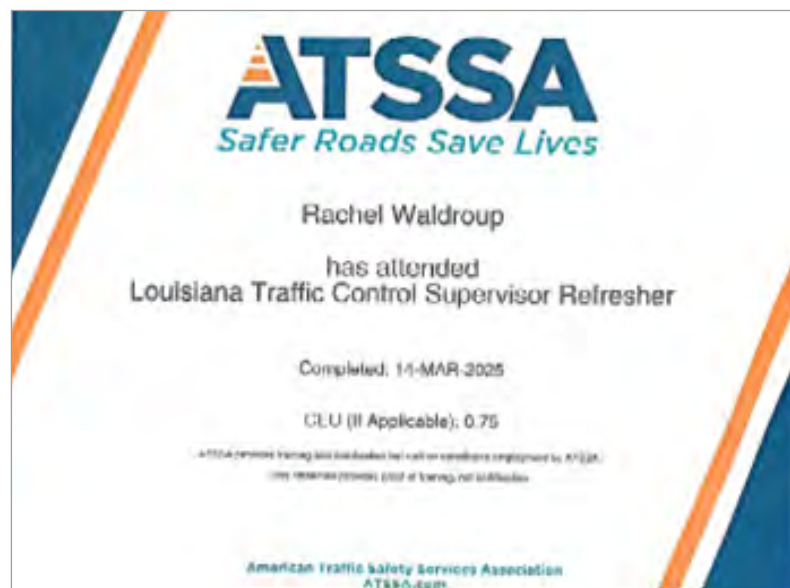
Meat & Hunt
Daniel Berry, PE, SE

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.

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
4459B BLUEBONNET BLVD.
BATON ROUGE, LA 70809

Status
Status: Active
Annual Report Status: In Good Standing
Qualified: 6/22/2007
Last Report Filed: 5/23/2025
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



Office of Conservation Department of Energy and Natural Resources STATE OF LOUISIANA
WATER WELL CONTRACTOR'S LICENSE
The Office of Conservation for the Department of Energy and Natural Resources State of Louisiana
hereby certifies that
GEOENGINEERS, INC.
Kyle Kilfian
has been licensed to drill environmental wells under the provisions of R.S. 38:3098 and is entitled to practice in the state of Louisiana as a Water Well Contractor.
This License is non-transferable and expires <u>June 30, 2026</u> unless renewed, revoked or suspended by the licensing authority as prescribed by statute.
Signed and sealed this <u>28th</u> day of <u>May</u> , <u>2025</u>
<i>Gavin D. Broussard</i> GAVIN D. BROUSSARD ENVIRONMENTAL DIVISION ADMINISTRATOR Office of Conservation Louisiana Department of Energy and Natural Resources
License No. WWC- #724



MEYER ENGINEERS, LTD.

Louisiana
SECRETARY OF STATE **NANCY LANDRY**

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Name	Type	City	Status
MEYER ENGINEERS, LTD.	Business Corporation	METAIRIE	Active

Previous Names
 Business: MEYER ENGINEERS, LTD.
 Charter Number: 33505960D
 Registration Date: 7/13/1981

Domicile Address
 4937 HEARST ST., SUITE 1B
 METAIRIE, LA 70001

Mailing Address
 4937 HEARST ST., SUITE 1B
 METAIRIE, LA 70001

Principal Office Address
 4937 HEARST ST., SUITE 1B
 METAIRIE, LA 70001

Status
 Status: Active
 Annual Report Status: In Good Standing
 File Date: 7/13/1981
 Last Report Filed: 7/10/2024
 Type: Business Corporation

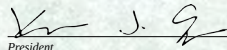
Registered Agent(s)
 Agent: DONOVAN DUFFY
 Address 1: 4937 HEARST ST
 Address 2: SUITE 1B
 City, State, Zip: METAIRIE, LA 70001
 Appointment Date: 7/10/2024

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, 2025

Alton Ochsner Davis, AIA, NCARB, ICC

 President  Secretary

 Executive Director

December 13, 2024 \$90.00

Date Fee Paid

THIS LICENSE EXPIRES ON THE DATE LISTED ABOVE

ATSSA
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

ATSSA
Safer Roads Save Lives

David Dupre

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 18-APR-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





Certificate of Attendance
Local Public Agency Project Design & Delivery Training
(Developing an LPA Project for Bidding)

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

TO CERTIFY THAT

David Dupre
HAS SATISFACTORILY COMPLETED 7 HOURS OF TRAINING

Opella Ann Willis

Director of Local Public
Agency Program

February 24, 2015
Date

New Orleans, Louisiana
Location





Certificate of Attendance
Local Public Agency Construction Engineering and Inspection (CE&I) Training

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

TO CERTIFY THAT

David Dupre
HAS SATISFACTORILY COMPLETED 5 HOURS OF TRAINING

Opella Ann Willis

Director of Local Public
Agency Program

July 18, 2013
Date

Metairie, Louisiana
Location





Certificate of Attendance
Local Public Agency Qualification Core Training

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

TO CERTIFY THAT

David Dupre
HAS SATISFACTORILY COMPLETED 5 HOURS OF TRAINING

Maurice B. Walsh

LTAP Director

October 4, 2012
Date

Metairie, Louisiana
Location





Certificate of Attendance
Local Public Agency Qualification Core Training
Project Planning, Feasibility & Application Workshop

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

TO CERTIFY THAT

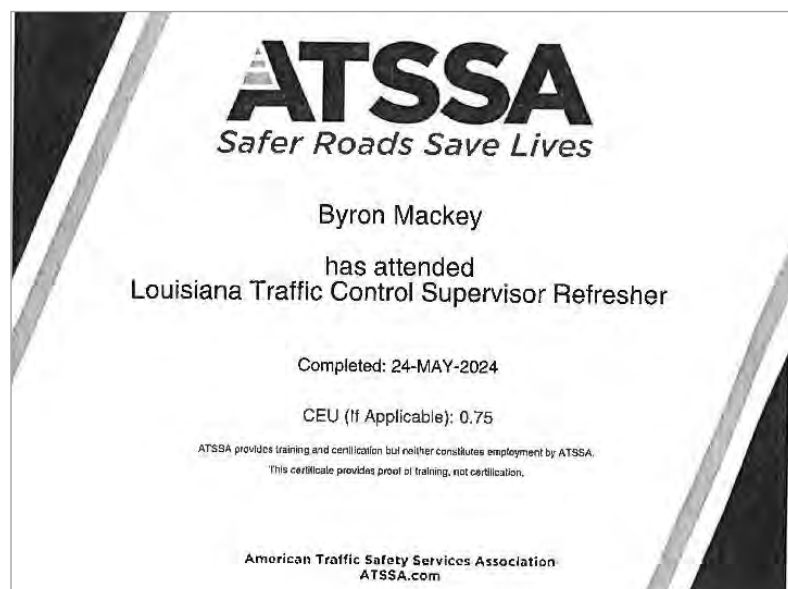
David Dupre
HAS SATISFACTORILY COMPLETED 6 HOURS OF TRAINING

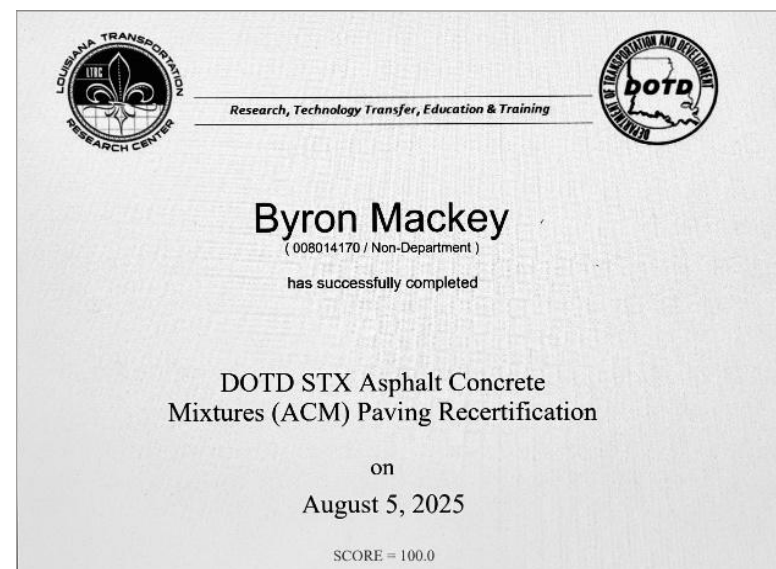
Opella Ann Willis

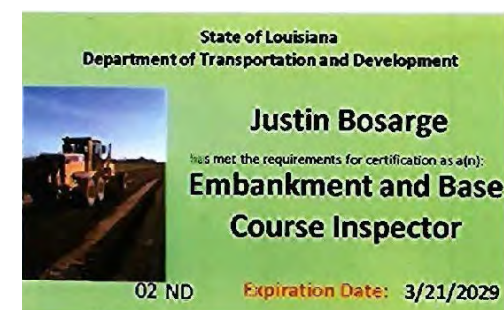
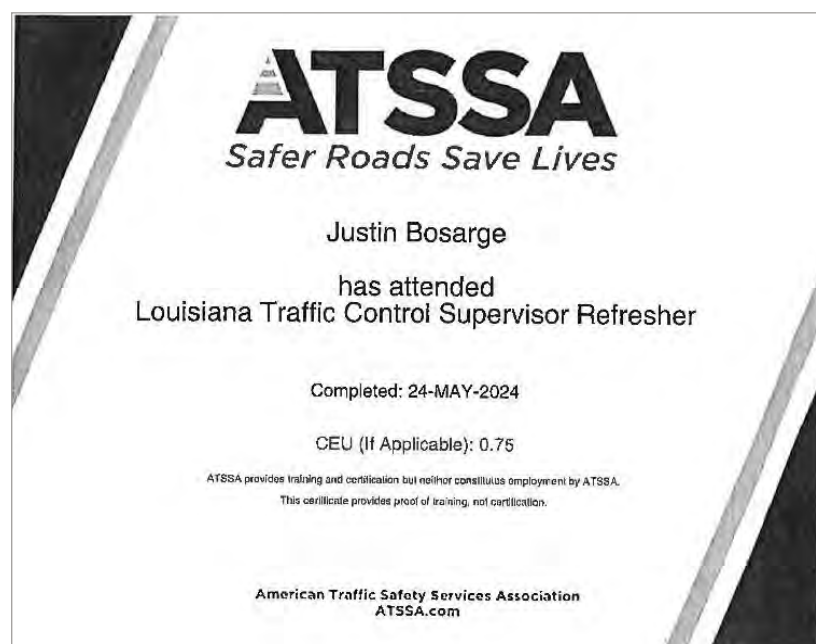
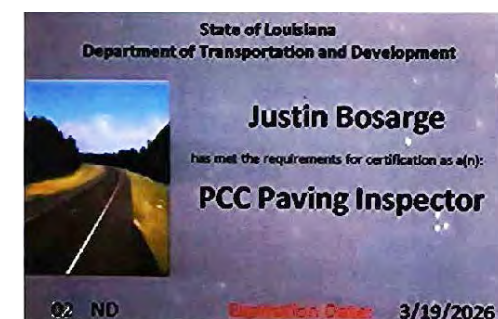
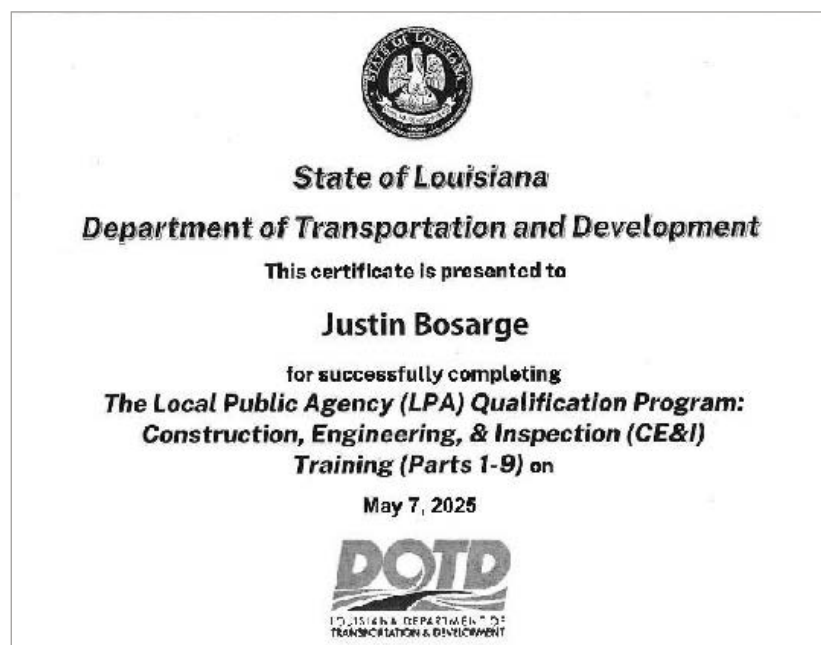
Director of Local Public
Agency Program

April 10, 2014
Date

Baton Rouge, Louisiana
Location







WISS, JANNEY, ELSTNER ASSOCIATES, INC.

 **LOUISIANA SECRETARY OF STATE** **NANCY LANDRY**  [HOME](#)

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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
 5615 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: 6/28/2022

 **National Highway Institute** 

Certificate of Training

Steven Lauer

has participated in

FIWA-NHI-130053 Bridge Inspection Refresher Training

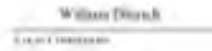
Presented by

Indiana Department of Transportation

Date: December 3-4, 2009 Hours of Instruction: 18
 Location: Yonah University, ME

 **William D. Smith**
 Director, Indiana Department of Transportation

 **Steven Lauer**
 President, Lauer & Associates, Inc.

 **William D. Smith**
 Director, Indiana Department of Transportation

 **Steven Lauer**
 President, Lauer & Associates, Inc.

 **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** ★

 **National Highway Institute** 

Certificate of Training

Steve Lauer

has participated in

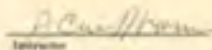
FIWA - NHI - COURSE 130055

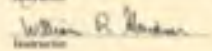
Safety Inspection of In-Service Bridges

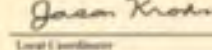
Presented by

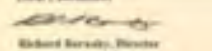
Structural Engineers Assn. of Illinois/SEI - IL Chapter

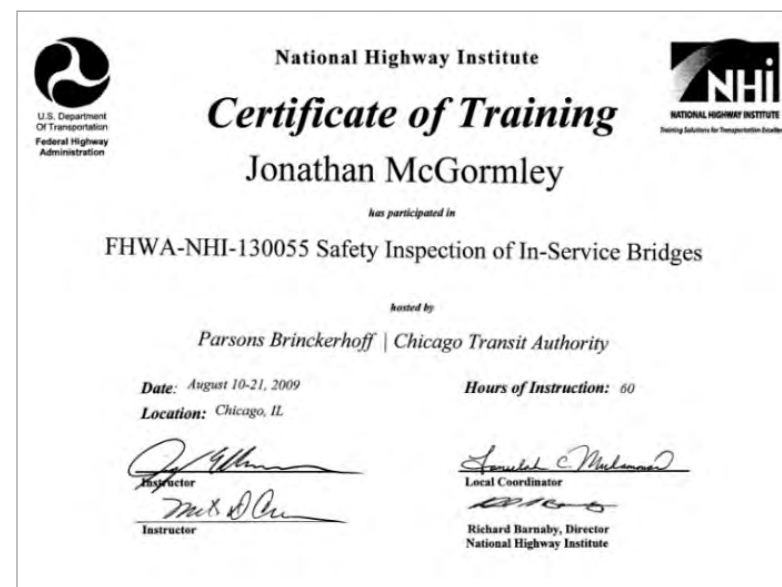
Date: May 2-13, 2011 Hours of Instruction: 60
 Location: Chicago, IL

 **William D. Smith**
 Director, Indiana Department of Transportation

 **Steven Lauer**
 President, Lauer & Associates, Inc.

 **Jason Krohn**
 Director, National Highway Institute

 **William D. Smith**
 Director, Indiana Department of Transportation






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: *John Naudtsch*

Instructor: *Brian R. Schmitt*

Local Coordinator: *Stacey J. Caston*

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:** 75

Location: St. Louis, MO

Instructor: *Chris Z. Clark*

Instructor: *Michael D. Dierckx*

Local Coordinator: *Michael D. Dierckx*

Michael D. Dierckx, J.D.
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: *John P. Field*

Instructor: *James A. Boney*

Local Coordinator: *Herando I. Velazquez*

Richard Barnaby, Director
National Highway Institute

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. 4400033117, 4400033118 and 4400033119
IDIQ CONTRACTS FOR BRIDGE PRESERVATION SERVICES
STATEWIDE**

Stantec Project No.: TBD



Brian Johnson, P.E. – Project Manager

Cindy Hall, P.E. – Principal-in-Charge

Document Date: October 1, 2025

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Foreword

Stantec recognizes the importance of quality for the captioned IDIQ Contract for Bridge Preservation Services (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 LADOTD.
- B. Creating clear definitions of responsibility for our designers, checkers, reviewers, and various professionals of record.
- C. Assigning designers and QC/QA personnel to the Project, who are exceedingly qualified to perform the work required of the Project.
- D. Creating Project specific processes and protocols which are clearly described and effective in ensuring accuracy in our design and plan details.
- E. Creating all the necessary QC/QA tools, such as checklists, standard forms and training materials. All our QC/QA tools will be well documented and well suited to the scope and the complexity of the Project.
- F. Creating a focus on the QC/QA concepts for the 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 IDIQ Contract** are to:

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

Particularly with respect to the bridge elements of this 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) appendixes:

- APPENDIX A: GUIDELINES FOR DESIGN & DOCUMENT PREPARATION
- APPENDIX B: GUIDELINES FOR PROCESSES
- APPENDIX C: QC CHECKLIST & COMMENT FORMS
- APPENDIX D: QA CHECKLIST & COMMENT FORMS
- APPENDIX E: INDEPENDENT REVIEW & COMMENT FORM
- APPENDIX F: LADOTD 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.

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	10/01/2025	N/A	Transmitted to LADOTD in RFP

Required Reading Form

All members of this 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 on this IDIQ Contract.

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 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 IDIQ Contract.

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
Bridge Design)**

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

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

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

SUBMITTAL:		
ORIGINATOR:	_____	DATE: _____
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 **LADOTD 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 LADOTD 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 LADOTD
- 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 LADOTD 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.

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 Services (Fixed and Movable)	
Designer(s)	Maggie Ye, Michael Brodnax, Bagya Shanmugam, Joffrey Easley, Steven Lauer, John Williams (Mechanical), Gareth Reese (Electrical)
QC – Design & Plans	John Krebs, Kunal Malpani, Robert Smith, Mickey Harrison
QA – Design & Plans & IR	Brian Johnson
Bridge Inspection Services	
Bridge Inspectors(s)	Michael Brodnax, Robert Catron, Ryan Nataluk, Dominic DeJohn (Underwater), Tyler Carson (Drone)
Roadway and Traffic	
Designer(s)	Mary Frances O'Rourke, Hannah Krebs, Joey Lefante, Karla Weston, David Dupre
QC – Design & Plans	Nick Prudhomme, Joseph Cains
QA – Design & Plans & IR	Cindy Hall, Gary Heitman
Topographic, Property Surveys and Underwater imaging/ 3D Scanning	
Designer(s) and Technicians	Rachel Waldroup, Brent Campbell, Trenton Iglehart, Jacob Stoeher, Madison Mills
QC – Design & Plans	Bradley Holleman, Ross Wilson, Chris Ballard
QA – Design & Plans & IR	Ross Wilson, Chris Ballard
Geotechnical	
Designer(s) and Lab Technicians	Brenda Novoa
QC – Design & Plans	Larry Sant
QA – Design & Plans & IR	James Aronstein
Environmental and Permitting	
Designer(s)	Adrienne Campbell, Scotty Moore, Alton Davis, Elton Muzny
QC – Design & Plans	Emily Reed, Josh McEnany
QA – Design & Plans & IR	Scott Hoffeld

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 – **LADOTD 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 where the project is located, not where

the design takes place. **Discipline Leaders** shall be responsible for understanding the practice and implementation of 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 become 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

DRAFT

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 LADOTD, Bridge Design Section website, pre-approved list? ☐ Yes ☐ No 3. If not on pre-approved list, has it been approved for use by LADOTD, 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 LADOTD 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: _____	

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 LADOTD 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

DRAFT

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?	☐ Yes	☐ No ☐ N/A
2. Have all DESIGN COMMENTS been properly resolved?	☐ Yes	☐ No ☐ N/A
3. Have all DRAWINGS been properly checked in accordance with the 5-step method?	☐ Yes	☐ No ☐ N/A
4. Have any NON-CONFORMANCE REPORTS been prepared?	☐ Yes	☐ No ☐ N/A
Comments:		
QA REVIEWER SIGNATURE _____		DATE: _____

Appendix E: Independent Review & Comment Form

DRAFT

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 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						

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

IDIQ CONTRACTS FOR BRIDGE PRESERVATION SERVICES
STATEWIDE

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
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Russell J. "Joey" Coco, Jr. 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
Meyer Engineers, Ltd.	4937 Hearst Street, Suite 1B Metairie, LA 70001	Donovan P. Duffy, PE dduffy@meyer-e-l.com	(504) 885-9892
Wiss, Janney, Elstner Associates, Inc.	330 Pfingsten Road Northbrook, IL 60062	Jonathan C. McGormley jmcgormley@wje.com John Williams jwilliams@wje.com	(847) 753-7234 (215) 340-5830

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.**



Stantec