



IDIQ Contracts for **BRIDGE PRESERVATION SERVICES** **STATEWIDE**

CONTRACT NOS. 4400033117, 4400033118, AND 4400033119

October 1, 2025





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Louisiana Department of Transportation and Development
Consultant Contract Services
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802

RE: CONTRACT NOS. 4400033117, 4400033118, AND 4400033119 – IDIQ CONTRACTS FOR BRIDGE PRESERVATION SERVICES

Dear members of the selection committee,

The HNTB team brings the Louisiana Department of Transportation and Development (LADOTD) extensive local leadership and expertise for this critical statewide bridge preservation retainer contract. HNTB has had the pleasure of working with LADOTD on IDIQ Contracts for Bridge Preservation Services since 2011 and over that time has developed a deep understanding of LADOTD's needs and expectations. We bring a team of world-class designers with experience on a vast assortment of bridge types and innovative design concepts at the forefront of the transportation design industry. We bring established relationships, and an unparalleled knowledge of what the LADOTD Bridge Design Section expects from its consultant partners.

For over 60 years, HNTB has partnered with LADOTD on many of your most complex structural projects, including the LA Phase 2 and the I-10 Calcasieu River Bridge Replacement Early Works Package projects, and we look forward to continuing our working relationship with you. Our mission is in-line with the objectives of the Department, to preserve the state's bridge inventory, support mobility and asset management, and protect public safety.

Since 2011, **HNTB has successfully undertaken 83 bridge-related task orders through your Bridge Preservation Services retainer contracts**, so we fully understand what is required to successfully deliver quality bridge projects. Having a deep knowledge of LADOTD's contracting procedures and the Bridge Design and Evaluation Manual (BDEM), HNTB will not only be able to contract more efficiently, but also be able to complete projects with less guidance and need for comment. Our team is expertly assembled to take on all types of projects needed by the LADOTD, from feasibility studies, to preliminary plans, all the way to emergency projects requiring straight to final plan development. No matter the schedule constraint, HNTB will deliver.

HNTB's experienced staff is well-suited to continue assisting the LADOTD bridge staff with this IDIQ Contract for Bridge Preservation. **Josh Porter, PE**, will serve as project manager for this retainer contract. Josh is the project manager of HNTB's current IDIQ Contract for Bridge Preservation Services and has extensive experience in multi-discipline project management and task order management, as well as bridge design, rehabilitation, repair, load rating, inspection, and plan production. Understanding that multiple task orders will be concurrently active at any given time, HNTB has structured our team with three additional task order managers in addition to Josh to support project scoping and management at the task order level; **Ben Goodner, PE**, **Marc Hoffmann, PE**, and **Patrick Duffy, PE**. Each task order manager is located in our Baton Rouge office and each has worked on multiple IDIQ Contracts for Bridge Preservation.

We have assembled a team including HNTB local staff, national experts, and subconsultants who specialize in their respective services to meet the depth and breadth of expertise required to deliver on this contract. This combination ensures our ability to respond to the volume and schedule for any assigned work. Our team includes the following highly-skilled and experienced firms:

- Ardaman & Associates, Inc.
- Coastal Environments, Inc.
- ELOS Environmental, LLC
- Forte & Tablada, Inc.
- Gulf South Land Title Services, Inc.
- KGC Environmental Services, Inc.
- Moffatt & Nichol, Inc.
- Stanley Consultants, Inc.
- Vectura Consulting Services, LLC
- Wiss, Janney, Elstner Associates

At HNTB, we will continue to deliver our signature "4for4" – quality work, on time, on budget, and to your complete satisfaction. We are pleased to present our qualifications for this contract.

Respectfully submitted,

HNTB Corporation

A blue ink signature of Dusty Bastion, written in a cursive style.

Dusty Bastion, PE
Vice President
Principal-In-Charge

A blue ink signature of Josh Porter, written in a cursive style.

Josh Porter, PE
Project Manager

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SECTION 1-11

DOTD FORM: 24-102

IDIQ CONTRACTS FOR BRIDGE PRESERVATION SERVICES STATEWIDE

(Revised August 11, 2025)

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

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

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

1. Contract Name as shown in the advertisement	IDIQ Contracts for Bridge Preservation Services Statewide
2. Contract Number(s) as shown in the advertisement	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>)	HNTB Corporation
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.0001775
6. Prime consultant mailing address	450 Laurel Street, Suite 1200, Baton Rouge, LA 70801
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	450 Laurel Street, Suite 1200, Baton Rouge, LA 70801
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Todd "Dusty" Bastion, PE, Vice President Phone: (225) 368-2810 Email: dbastion@hntb.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Todd "Dusty" Bastion, PE, Vice President Phone: (225) 368-2810 Email: dbastion@hntb.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: 10/01/2025

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.

Firm(s):

N/A

Firm(s)' %:

N/A



SECTION 12

Discipline Table

12. Discipline Table:													
Discipline(s)	% of Overall Contract	HNTB Corporation (Prime)	Ardaman & Associates, Inc.	Coastal Environments, Inc.	ELOS Environmental, LLC	Forte and Tablada, Inc.	Gulf South Land Title Services, LLC	KGC Environmental Services, Inc.	Moffatt & Nichol, Inc.	Stanley Consultants, Inc.	Vectura Consulting Services, LLC (DBE)	Wiss, Janney, Elstner Associates, Inc.	Each Discipline must total to 100%
Bridge	63%	90%	0%	0%	0%	5%	0%	1%	2%	0%	0%	2%	100%
Geotechnical	5%	25%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Road	20%	25%	0%	0%	0%	0%	0%	0%	0%	75%	0%	0%	100%
Traffic	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	100%
Survey	8%	0%	0%	0%	0%	90%	10%	0%	0%	0%	0%	0%	100%
Environmental	2%	30%	0%	30%	40%	0%	0%	0%	0%	0%	0%	0%	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%	63.55%	3.75%	0.60%	0.80%	10.35%	0.80%	0.63%	1.26%	15.00%	2.00%	1.26%	100.00%



SECTION 13
Team Size

13. Team Size:			
Firm name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
HNTB Corporation (Prime)	Accountant	2	15
	CADD Technician	2	24
	Clerical	2	16
	Engineer	11	17
	Engineer Intern	4	45
	Engineer - Other	3	67
	Environmental Manager	1	3
	Planner	1	12
	Principal	1	5
	Senior Technician	4	16
	Supervisor - Eng	11	14
	Supervisor - Other	8	71
Ardaman & Associates, Inc.	Administrative	1	1
	CADD Technician	2	2
	Clerical	1	2
	Engineer	1	6
	Engineer Intern	3	6
	Principal	2	3
	Senior Technician	8	9
	Supervisor - Eng	3	3
	Supervisor - Other	3	4
	Technician	11	15
Coastal Environments, Inc.	Archaeologist	6	14
	Archaeologist - Tech	6	12
	Historian	2	4

13. Team Size:			
Firm name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
ELOS Environmental, LLC	Principal	1	2
	GIS Analyst	2	2
	Environmental Pro	2	2
	Environmental Manager	2	2
	Biologist/Wetlands	3	5
	Archaeologist	1	2
	Geologist	1	1
	Inspector - Lead	1	4
	Clerical	2	2
	Historian	1	2
	Technician	2	5
Forte and Tablada, Inc.	Principal	1	2
	Surveyor	4	5
	Party Chief	2	5
	Instrument Man	2	2
	Technician	1	1
	Senior Technician	2	4
	Supervisor - Eng	2	3
	Engineer	2	4
	Engineer Intern	3	5
	CADD Technician	2	4
	Accountant	1	2
	Clerical	1	2

13. Team Size:			
Firm name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
Gulf South Land Title Services, LLC	Abstractor	5	5
	Clerical	3	3
	Principal	1	1
KGC Environmental Services, Inc.	Principal	1	1
	Senior Technician	2	1
Moffatt & Nichol, Inc.	Principal	1	1
	Administrative	1	4
	CADD Technician	1	6
	Engineer	2	39
	Engineer Intern	1	8
	Inspector - Bridge	6	35
	Senior Technician	1	13
	Supervisor - Eng	2	11
Stanley Consultants, Inc.	Supervisor - Eng	2	3
	Engineer	4	7
	Engineer Intern	4	5
	CADD Technician	1	3

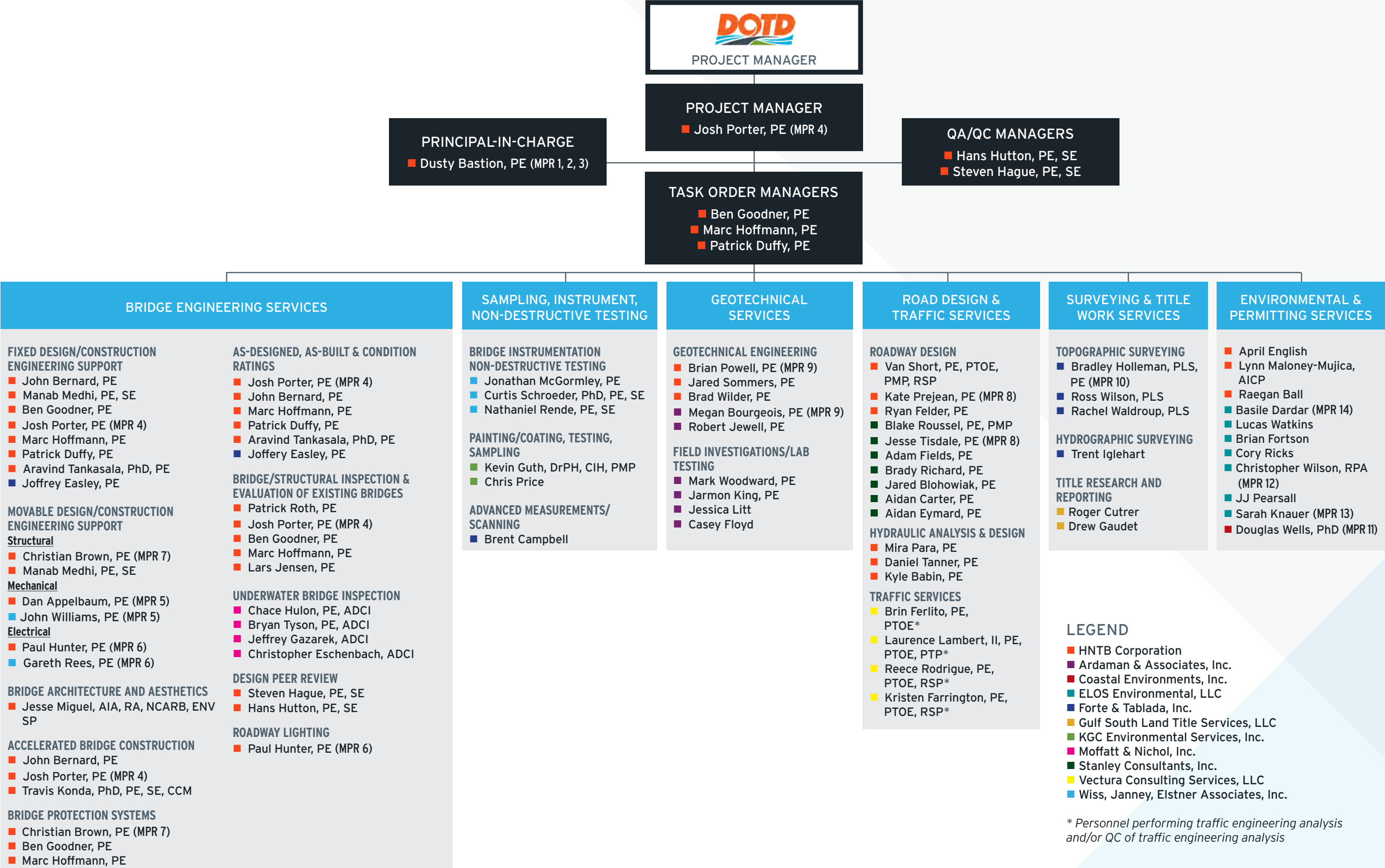
13. Team Size:			
Firm name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
Vectura Consulting Services, LLC	Supervisor - Eng	2	2
	Engineer	4	6
	Engineer Intern	2	2
	Senior Technician	2	2
	Supervisor - Other	1	1
	Technician	1	2
	Clerical	1	1
Wiss, Janney, Elstner Associates, Inc.	CADD Technician	2	8
	Clerical	4	5
	Engineer	1	2
	Engineer Intern	2	15
	Engineer - Other	3	35
	Geologist	1	2
	Principal	6	76
	Professional	4	132
	Senior Technician	2	29
	Supervisor - Arch	0	1
	Supervisor - Eng	2	17
	Supervisor - Other	6	197
	Technician	2	11
	Inspector - Bridge	0	1



SECTION 14

Organizational Chart

14. Organizational Chart:





SECTION 15

Minimum Personnel
Requirements

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	Dusty Bastion, PE	HNTB Corporation	Professional Engineer #36719 - Civil	LA	03-31-2026
2	Dusty Bastion, PE	HNTB Corporation	Professional Engineer #36719 - Civil	LA	03-31-2026
3	Dusty Bastion, PE	HNTB Corporation	Professional Engineer #36719 - Civil	LA	03-31-2026
4	Josh Porter, PE	HNTB Corporation	Professional Engineer #39513 - Civil	LA	09-30-2027
5	Dan Appelbaum, PE	HNTB Corporation	Professional Engineer #38362 - Civil	LA	03-31-2026
5	John Williams, PE	Wiss, Janney, Elstner Associates, Inc.	Professional Engineer #44300 - Civil	LA	09-30-2026
6	Paul Hunter, PE	HNTB Corporation	Professional Engineer #45076 - Civil	LA	03-31-2027
6	Gareth Rees, PE	Wiss, Janney, Elstner Associates, Inc.	Professional Engineer #40754 - Civil	LA	09-30-2026
7	Christian Brown, PE	HNTB Corporation	Professional Engineer #39217 - Civil	LA	03-31-2027
8	Kate Prejean, PE	HNTB Corporation	Professional Engineer #35036 - Civil	LA	03-31-2026
8	Jesse Tisdale, PE	Stanley Consultants, Inc.	Professional Engineer #40972 - Civil	LA	03-31-2027
9	Brian Powell, PE	HNTB Corporation	Professional Engineer #41551 - Civil	LA	09-30-2027
9	Megan Bourgeois, PE	Ardaman & Associates, Inc.	Professional Engineer #36725 - Civil	LA	03-31-2026
10	Bradley Holleman, PLS, PE	Forte & Tablada, Inc.	Professional Engineer #47165 - Civil Professional Land Surveyor #5082	LA	03-31-2027 09-30-2026
11	Douglas Wells, PhD	Coastal Environments, Inc.	N/A	N/A	N/A
12	Christopher Wilson, RPA	ELOS Environmental, LLC	Registered Professional Archaeologist #5660	LA	N/A
13	Sarah Knauer	ELOS Environmental, LLC	N/A	N/A	N/A
14	Basile Dardar	ELOS Environmental, LLC	N/A	N/A	N/A



SECTION 16

Staff Experience

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Josh Porter, PE	Years of relevant experience with this employer	9
Title	Bridge Project Manager	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BS / 2010 / Civil Engineering	
Active registration number / state / expiration date		#39513 / LA / 09-30-2027	
Year registered	LA 2015	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Project Manager; Bridge Engineering Services (Fixed Design/Construction Engineering Support); Bridge Engineering Services (Accelerated Bridge Construction); Bridge Engineering Services (As-Designed, As-Built & Condition Ratings); Bridge Engineering Services (Bridge/Structural Inspection & Evaluation of Existing Bridges); MPR #4	
Josh is the project manager of HNTB's current IDIQ Contract for Bridge Preservation Services and has extensive experience in multi-discipline project management and task order management, as well as bridge design, rehabilitation, repair, load rating, inspection and plan production. His experience spans many types of structures, including trusses and gusset plates, precast prestressed concrete (PPC) girders, and curved and straight steel girders. He has been tasked with developing load rating and design models, developing and overseeing the development of bridge plans, cost estimating and benefit analysis, project management, and leading and assisting in the inspection of bridges. He brings extensive experience in working with LADOTD in developing task orders for IDIQ contracts including Alternative Delivery IDIQ, Bridge Preservation IDIQ, Bridge Inspection IDIQ, and Bridge Load Rating IDIQ.			
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).		
02/22-Present	I-10 Calcasieu (HBI) Early Works Package, Calcasieu Parish, Louisiana Project manager on an accelerated, multi-disciplined project to develop an early works package to facilitate the construction of the replacement of the existing I-10 bridge over the Calcasieu River. During the environmental and procurement process of the Public Private Partnership (P3) for the replacement structure, several obstacles and constraints were identified that would need to be addressed outside of the approved scope of the P3. To ensure no delays in the overall P3 construction, this project included rehabilitation of the existing bridge to extend the service life of the existing until the replacement was complete, the relocation of a railroad spur shared by Canadian Pacific Kansas City (CPKC) Railroad (formerly Kansas City Southern) and Union Pacific Railroad (UPRR), the addition of a temporary structure to facilitate the relocation of an existing pipe rack, the addition of a temporary access road to divert traffic during construction of the temporary structure, and multiple intersection modifications to accommodate increased traffic volumes on the project detour route. As the project manager, Josh was responsible for coordinating all efforts between task leads including the structures design team, railroad design team, roadway design team, drainage study and design team, traffic study team, survey subconsultant, geotechnical testing subconsultant. Additionally, Josh was responsible for all agency coordination including the LADOTD District, LADOTD Headquarters, pipeline owner, and railroad owner. He is currently leading all construction support effort.		
12/24-Present	Critical Projects IDIQ, Statewide, Louisiana Design services manager for the Critical Projects IDIQ. Responsible for coordination of task order development and delivery for all task orders for design services for the contract.		
06/18-06/22	LA 15 over Boeuf River Bridge, Richland Parish, Alto, Louisiana Project manager for an off-alignment bridge replacement along LA 15 over the Boeuf River. The bridge was designed with LG-54 girders on pile caps. The team was tasked with the preliminary and final design of the superstructure, substructure, and foundations. The team coordinated with the LADOTD district roadway group that designed the new alignment. Engineering support was provided during construction, along with PDA monitoring and assessment of results.		
12/16-05/19	U.S. 80 over I-20, Ouachita Parish, Louisiana Project task manager for the demolition and replacement of a deficient bridge in northwest Louisiana crossing I-20. Tasked with design checking of the steel girder spans, design of the intermediate bent, design check of the end bents. Also utilized ABC techniques to develop a construction phasing plan limiting the closure of I-20.		



16. Staff Experience:	
05/20-06/22	LA 3250 I-49/UPRR Overpass Repair, Alexandria, Louisiana Project manager for a repair of a bridge crossing I-49 and the UPRR. Performed the assessment of the damaged structure to determine repair needs. Developed the concept of the replacement utilizing accelerated bridge construction (ABC) techniques. Led the design team in the analysis of the new segment. Oversaw the detailing of the new segment and the outlining of the removal section to allow for seamless placement of the new segment within the footprint of the removed segment.
08/23-Present	Bridge Load Rating Retainer, Statewide, Louisiana Project manager for the load rating of complex bridge structures in Louisiana. Bridge elements evaluated under this contract include: vertical lift spans, pontoons, swing spans, continuous steel plate girders, prestressed girders, reinforced concrete beams, slab spans, pile bents, slab spans, and steel grid decks.
10/16-07/18	Load Rating of Complex Bridges, Rapids and St. Mary Parishes, Louisiana Lead rating engineer for this project which involved the inspection and load rating of two truss bridges: the LA 182 over Charenton Canal Bridge and the Jackson Street Bridge over the Red River. Completed the load rating of the Charenton Canal truss and reinforced concrete spans, developed the load rating report, and in a separate project, developed means to rehabilitate the structure. Lead the inspection of the Jackson Street Bridge in Alexandria, Louisiana. Also oversaw and checked the rating of the truss and steel girder spans and substructures of the Jackson Street Bridge.
03/14-11/15	Load Rating of 125 Bridges, Statewide, Louisiana Load rating engineer led the analysis, load rating and report development for 125 bridges throughout the state of Louisiana. The bridges included straight and curved steel I-girder spans, PPC girder spans, reinforced concrete girder spans and slab span superstructures. Pile supported sub structures consisting of timber, concrete and steel piles were included in the ratings.
06/19-09/20	Calcasieu Load Ratings Calcasieu Parish, Louisiana Task manager and lead rating engineer on the load ratings of 27 structures, including complex structures, along the I-10 corridor in Calcasieu Parish. Structures included haunched concrete girders T-beams, steel girders, prestressed concrete girders.
06/17-11/17	LA 442 over Tangipahoa River Bridge Replacement, Tangipahoa Parish, Louisiana Project task manager for an emergency spot bridge replacement of a bridge with scour concerns caused by the August 2016 flooding. Tasked with design checking of the superstructure and substructure, developing the construction plans, and managing the project.
06/19-06/21	LA 1 Leeville to Golden Meadow Phase 2, Leeville, Louisiana Task leader for the design and plan development of the slab span portion of the structure from grade to over the levee. This task included 81 slab spans of varying widths and geometries to accommodate the T-intersection at the beginning of the bridge. The T-intersection was laid out to accommodate the tolling system that would be required for the structure. Responsibilities included preliminary alignment and layout, superstructure design and details of the slab spans, substructure analysis and plan production, preliminary and final plan development, checking plans and design calculations, and developing quantity and cost estimates.
06/19-06/21	Gramercy Rehabilitation, Gramercy, Louisiana Project manager for a bridge painting and rehabilitation project of the LA 3213 Gramercy truss bridge over the Mississippi River. Project included inspection of the bridge and subsequent repair recommendation report, bridge rehabilitation of the approach spans and main truss spans, and painting of the steel approach spans and main truss spans. Developed the construction cost estimate capturing the cost of the unique nature of the repairs as well as the painting of all steel members on the bridge. Participated in the Value Engineering Study initiated by the LADOTD.
11/19-09/20	Off-System Bridge Rating (53 Bridges), Statewide, Louisiana Project manager and lead load rating engineer for a large off-system load rating task. Many structures require load rating to comply with FHWA NBIS Metric #13. Led the effort overseeing the team to rate the various structures, which included prestressed girder bridges, rolled I-beam bridges, steel plate girders, and reinforced concrete slab spans. Many structures had poor quality, incomplete, or completely missing plans. Utilized engineering judgment and coordination efforts with the LADOTD load rating group to develop the load ratings of structures with missing or incomplete plans.
06/20-02/22	I-20 Overpass Rehabilitation, Bossier City, Louisiana Task manager overseeing the load rating of 14 structures, including complex structures, along the I-20 corridor. The ratings were performed using BrR, RC Pier, and 3D FEA software LARSA. Structure types included curved steel structures, haunched concrete girders, and straight steel continuous girders with kinked connections to allow for the roadway curvature. The overall project was to develop median barrier replacement to coincide with the replacement of the existing pavement. Approach slabs and backwalls were replaced on several of the structures.
02/11-06/13	Load Rating Section, Statewide, Louisiana Engineer in the LADOTD Bridge Load Rating section. Performed load ratings on numerous bridges of varying types. Performed load posting, rehabilitation analysis, overload analysis, and general load rating tasks.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Todd "Dusty" Bastion, PE	Years of relevant experience with this employer	13
Title	Project Manager	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2007 / Civil Engineering	
Active registration number / state / expiration date		#36719 / LA / 03-31-2026; #19341 / AR / 12-31-2025; #21004 / MS / 12-31-2026; #40122 / SC / 06-30-2026; #136915 / TX / 12-31-2025	
Year registered	LA 2011, AR 2020, MS 2012, SC 2022, TX 2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Principal-In-Charge; MPR #1, 2, 3	
Dusty has experience in project management, design, detailing, analysis, inspection, and load rating of bridge structures. His experience includes many types of superstructures and substructures in projects varying from multi-level interchanges to off-system bridge replacements. His responsibilities include structural design, plan development, specifications development, cost estimating, quality control review and project management ranging from standard bridge projects to non-typical accelerated time frame projects. He is proficient with AASHTO LRFD bridge design specifications and experienced in MicroStation, Inroads, ProjectWise, STAAD, Conspan, Mathcad, RC Pier and BrR. He is a former LADOTD bridge design section engineer and he has unparalleled knowledge of LADOTD's plan development and contracting processes. Dusty was the project manger for the two previous bridge preservation IDIQ contracts held with the department, and his understanding of what the department expects and his ability to deliver assignments in a timely manner is unmatched.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/12-Present	I-10 Calcasieu River Bridge Environmental Impact Statement (EIS), Lake Charles, Louisiana Structural lead whose responsibilities include line and grade investigations to determine lengths, widths, and structure types of all bridge structures to be replaced within the study limits. Particular focus has been on the layout of elevated interchanges and developing structural design solutions to minimize or eliminate negative impacts from hazardous chemicals present in the soil. Current efforts include determining structure layouts that interface with at-grade infrastructure to guarantee the final solution ensures traffic and safety improvements.		
04/20-Present	LADOTD IDIQ Contract for Bridge Preservation, Statewide, Louisiana Principal-in-Charge for this task order based IDIQ contract focused on bridge preservation. Over the two years, he has directly managed the contracting and execution of 14 task orders with more currently in the contracting process. Task orders have consisted of interstate median barrier design and detailing (I-20 in Bossier and I-110 in Baton Rouge), bridge replacements using phased construction (LA 1 over Caddo Lake in Mooringsport), and girder replacements/repairs due to overheight vehicle impacts (Orange Street over I-20 in Monroe, LA 3250 over I-49 in Alexandria, I-12 over LA 1032 in Denham Springs). He has provided direct oversight of production staff, including plan development guidance, sequence of construction input, construction support oversight, internal coordination and coordination directly with LADOTD personnel. Due to time-sensitive project delivery needs, many projects required accelerated project delivery and he collaborated with LADOTD task managers to understand schedule needed to ensure no project delivery delays occurred.		
08/15-04/22	Retainer Contract for Bridge Preservation, Statewide, Louisiana Project manager for this task order based retainer contract focused on bridge preservation. Over the nearly 6.5 years this contract has been active, he directly managed the contracting and execution of 32 task orders. Task orders consisted of bridge rehabs/replacements using ABC techniques (I-20 Rehab in Bossier, U.S. 80 over I-20 in Calhoun, U.S. 90 over LDRR and LA 329 in New Iberia, U.S. 90 over LA 14 in New Iberia, I-10 Slab Spans over Veterans Boulevard in New Orleans), bridge replacements using conventional construction techniques (LA 442 over Tangipahoa River in Hammond, Louisiana 532 over I-20 near Minden), and analysis/rehabilitation of through-truss structures (LA 182 Bridge in Charenton, U.S. 90 Atchafalaya Bridge in Morgan City). He provided direct oversight of production staff, including plan development guidance, sequence of construction input, construction support oversight internal coordination, and coordination directly with LADOTD personnel.		



16. Staff Experience:	
03/17-05/17	U.S. 90 over Atchafalaya River Bridge Inspection, St. Mary Parish, Louisiana Project manager for this steel through-truss structure, which crosses the Atchafalaya River in St. Mary Parish. This project consists of numerous structural repairs to the steel superstructure and painting work which will allow the bridge to function for the foreseeable future. Mr. Bastion has managed distribution of all work assignments to-date, including both internal assignments and workshare with other offices. This project development phase was accelerated to allow the client to start construction work as early as possible. Prior to bridge rehabilitation work, he participated as a lead inspector in the in-depth inspection of this structure. All bridge repairs were developed based off of this in-depth inspection.
04/13-Present	LA 1 Leeville to Golden Meadow Phase 2, Leeville, Louisiana Project manager for this bridge project, which will eventually connect at-grade LA 1 to the existing Phase 1 structure. His duties include coordination with LADOTD personnel, superstructure development, substructure development, and geometric alignment development. His additional project coordination responsibilities include subconsultants, permits, utilities, electrical/lighting design, ITS design, and tolling system design. This project is multi-faceted, including a phased design and construction approach, a tolling facility, levee, flood wall and pipeline crossings, unique ABC methods, and environmental regulations. This project is currently under construction and he is leading all construction support services activities.
02/13-06/17	U.S. 90 over LA 14, New Iberia, Louisiana Project manager for this bridge replacement project, consisting of twin steel plate girder bridges crossing over a busy state highway with insufficient vertical clearance. His duties included structural and geotechnical design oversight, roadway and bridge plan development coordination, cost estimating, specification development, and detailed sequence of construction development. Coordination with a subconsultant performing geotechnical exploration was also required. To mitigate traffic impacts and reduce the duration of construction operations, this project will use ABC techniques. Each two span structure will be constructed off-site and moved into place using Self-Propelled Modular Transporter (SPMT) to ensure that traffic flow will be minimally interrupted. This highway corridor will eventually become Interstate 49, and the new alignment layout will not affect the existing interchange to remain or the underlying roadway.
08/15-05/18	Florida Avenue Electrical and Structural Repairs and Pinion Bearing Replacement, New Orleans, Louisiana Project manager for these two movable bridge rehabilitation projects in New Orleans, Louisiana. The Florida Avenue Bridge is a vertical lift-span bridge owned by the Port of New Orleans, which carries vehicular and rail traffic over the Inner Harbor Navigation Canal. The electrical and structural repairs were required to fix damages caused by Hurricane Katrina and an unrelated vessel impact. The pinion bearing replacement repairs were required to ensure the bridge's continuous operation for vessel traffic along the IHNC. This bearing replacement project was developed and completed in less than two months. He handled all project communication and coordinated all work assignments related to these two projects.
07/17-Present	St. Claude Avenue Bridge Link Pin Repairs, New Orleans, Louisiana Project manager for this movable bridge rehabilitation project in New Orleans. The St. Claude Avenue Bridge is an approximately 100-year-old strauss-type single-leaf bascule bridge that carries four lanes of vehicular traffic over the Inner Harbor Navigation Canal. These structural and mechanical repairs are required to restore a rotating joint that has deteriorated over time. These repairs will ensure the structure can continue to operate for the foreseeable future. He coordinated all project work and developed plans and specifications for this project. He is also assisting with construction inspection.
08/17-06/20	Bridge Services IDIQ Master Contract, Statewide, Mississippi Project manager who was in responsible charge for this IDIQ bridge services contract, which has generated 10 work assignments over the past three years. Within this contract, Phases A, B and C assignments have been successfully completed, as well as NBIS bridge inspection of movable structures. Of the 10 work assignments, Dusty has managed six of them, but has been intimately involved in all work assignments issued as part of this very successful IDIQ contract.
11/17-06/20	I-55 Widening over I-220, Jackson, Mississippi Principal-in-Charge for this complex structural analysis and design project. The existing concrete box girder structure had a 9.4% cross slope and a low vertical clearance, and the client was told that this must be replaced to provide the adequate traffic capacity. HNTB proposed a way to widen the structure with multiple shallow steel plate girders to carry the load and meet the required vertical clearances. Additional work for construction services included RFI reviews, shop drawing reviews, and additional contractor's submittal reviews.
02/19-07/20	I-10 & I-12 College Drive Flyover Ramp Design-Build, East Baton Rouge Parish, Louisiana Technical procurement team lead for this traffic congestion relief and safety enhancement project. Dusty's roles included the development of performance specification documents, response to Design-Builder questions, participation in public meetings, oversight for the development of permit drawings and conceptual renderings, construction cost estimating and schedule development, utility and stakeholder involvement, RFQ evaluation participation, and very close coordination with LADOTD leadership. This D-B project will construct one bridge overpass over I-12 and controlled access ramps to eliminate the dangerous weaving movements required for westbound traveling traffic to exit at College Drive.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Hans Hutton, PE, SE	Years of relevant experience with this employer	28
Title	Vice President, Chief Bridge Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		MS / 1997 / Civil Engineering BS / 1990 / Civil Engineering	
Active registration number / state / expiration date		PE: #38204 / LA / 03-31-2026; #52384 / CA / 12-31-2026; #8025 / NE / 12-31-2025 SE: #8025 / NE / 12-31-2025; #081006707 / IL / 11-30-2026	
Year registered	PE: LA 2013, CA 1994, NE 1994 SE: NE 1994, IL 2009	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		QA/QC Manager; Bridge Engineering Services (Design Peer Review)	
Hans is a vice president, HNTB Fellow and chief engineer at HNTB. He has worked with a variety of bridge types including suspension, cable-stayed, arches, trusses, segmental, girder and rigid frames. He has worked with both fixed and movable bridges as well as roadway, railway and pedestrian bridges. He has also worked with a variety of foundations and temporary structures with experience in erection engineering. He has designed bridges over major navigable waterways including the Mississippi, Missouri, and Ohio rivers as well as the intercoastal waterways.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/21-Present	Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas to Memphis, Tennessee Structural analysis of the main spans of the 1,800-foot, two-span trussed arch bridge across the Mississippi River. After a significant fracture in one of the tie-girders was found during routine inspection, Arkansas Department of Transportation (ArDOT) retained HNTB to inspect and evaluate the bridge. This was an emergency assignment as the state closed the bridge to vehicular traffic and the river to marine traffic. Mr. Hutton built a 3-D FE model of the bridge and evaluated the bridge in its fractured state for progressive collapse.		
06/20-06/21	U.S. 169 over the Missouri River, Kansas City, Missouri Lead bridge engineer for this major interchange and Missouri River crossing that included 10 bridges. Two bridges crossed the Missouri river which are over 1,800 feet in length and are comprised of a series of steel plate girder spans and prestressed concrete girder spans. This is a navigable waterway with spans over 450 feet in length. The piers were designed for vessel impact. Two bridges are curved flyovers about 1,500 feet in length that directly connect I-35 with U.S. 169 and are comprised of steel plate girder and prestressed concrete girder spans.		
06/17-06/19	U.S. 181 Harbor Bridge, Corpus Christi, Texas Subject matter expert providing peer review for the replacement bridge design across Corpus Christi Harbor. This includes a 3,289-foot, three-span concrete cable-stayed unit and 7,532 feet of concrete segmental approach spans.		
01/17-12/17	Hale Boggs Memorial Bridge over the Mississippi River, Luling, Louisiana Subject matter expert and field inspector for the in-depth inspection of this cable-stayed bridge. This is a three-span, cable-stayed bridge with a 1,220-foot main span across the Mississippi River. Field work included structural inspection of the cable-stayed unit along with the disassembly and reassembly of the stay-cable friction damping devices.		
02/15-04/16	Bridge over the Missouri River, Sibley, Missouri Engineer of record responsible for developing the railroad bridge concept and performing the final design of the truss spans and the associated substructure for this bridge that extends more than 4,000 feet across the Missouri River. It is composed of 2,000 feet of precast prestressed spans, 400 feet of deck plate girder spans and over 1,400 feet of truss spans, including three 400-foot through truss spans.		



16. Staff Experience:	
06/08-06/14	I-70 Stan Musial Veterans Memorial Bridge over the Mississippi River, St. Louis, Missouri Engineer of record leading the design of this 2,700-foot cable-stayed bridge. The three-span, steel, cable-stayed unit incorporated a 1,500-foot main span over the Mississippi River. This bridge incorporated a composite of steel edge girders with a post-tensioned concrete deck. The concrete pylons utilized steel anchor boxes for the anchorage of the stay-cables. This bridge spans a navigable waterway. Structural analyses included detailed erection analyses and nonlinear seismic time history analyses. The project involved crossing 5 active railroad tracks, and close coordination with the railroad was critical to the successful delivery of the bridges and overall project.
02/15-12/15	I-70 Manchester Bridge, Kansas City, Missouri Construction engineering/innovation manager responsible for directing the project team through an investigation of alternative construction methods to determine the most cost-effective methods to design and construct the bridges on this project. This design-build project replaced the twin, 2,500-foot I-70 bridges across the Manchester Trafficway, several railroads and the Blue River. It also replaced the US 40 bridge over the Blue River and rehabilitated the I-70 bridges over US 40. The improvements to the Manchester Trafficway include maximizing the weave/merge lane between the I-70 and I-435 interchange. The project replaced the I-70 bridges without the closure of the I-70, improving safety and one year ahead of MoDOT's schedule. The project involved crossing 6 active railroad tracks, and close coordination with the railroad was critical to the successful delivery of the bridges and overall project.
01/16-12/16	John James Audubon Bridge over the Mississippi River, St. Francisville, Louisiana Subject matter expert and field inspector for the in-depth inspection of this cable-stayed bridge. This is a three-span, 3,185-foot cable-stayed bridge across the Mississippi River. Fieldwork included structural inspection of the cable-stayed unit and the disassembly and reassembly of the stay-cable friction damping devices.
06/05-06/06	U.S. 90 Bridge over St. Louis Bay, St. Louis, Mississippi Project engineer who assisted in the design of this 11,200-foot bridge. This was a design-build project in the wake of Hurricane Katrina. This \$267-million 11,200-foot bridge rises 85 feet above the water and comprises 76 spans, typically 155 feet each. The substructure consists of concrete bents and hammer-head piers supported by concrete displacement piles. The typical superstructure consists of prestressed 78-inch bulb tees, with the main unit consisting of spliced, post-tensioned, 78-inch haunched bulb tees.
01/21-12/21	I-40 over the Mississippi River, Memphis, Tennessee Structural analysis of the main spans of the 1,800-foot, two-span trussed arch bridge across the Mississippi River. After a significant fracture in one of the tie-girders was found during a routine inspection, the ArDOT retained HNTB to inspect and evaluate the bridge. This was an emergency assignment as the State closed the bridge to vehicular traffic and the river to marine traffic. Hans built a 3-D FE model of the bridge and evaluated it in its fractured state for progressive collapse.
03/17-11/19	UPRR Mississippi River Bridge, Clinton, Iowa Engineer of record for the design of the main navigation channel unit, including a 388-foot, triple-track ballast deck through truss supported on cast-in-place concrete piers socketed into the underlying bedrock. The project extends over 18,600 feet of track, including over 5,000 feet of bridge. Most approach bridge spans are steel, ballast deck, and plate girder spans supported on cast-in-place concrete piers. The bridge was modeled in CSI Bridge with a 3D finite element model including frame and shell elements. The model was used for the evaluation of all forces and load combinations as well as erection and dynamic analyses.
01/09-11/09	Canadian Pacific Railway Vertical Lift Bridge over the Mississippi River La Crescent, Minnesota Project engineer who assisted in the final design of the 400-foot vertical lift railroad span that will replace an existing swing span under the Truman-Hobbs Act.
06/96-06/06	U.S. 82 Mississippi River Bridge, Greenville, Mississippi Design engineer responsible for the erection analysis and assisting in the design of the main spans of this 783-meter steel, cable-stayed bridge.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Steven Hague, PE, SE	Years of relevant experience with this employer	38
Title	Vice President, Bridge Group Director	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		MS / 1982 / Civil Engineering BS / 1981 / Civil Engineering	
Active registration number / state / expiration date		PE: #28414 / LA / 09-30-2027; #9964 / AR / 12-31-2026; #15697 / KS / 04-30-2026 SE: #081005611 / IL / 11-30-2026; #22933 / KY / 06-30-2027; #E-10069 / NE / 12-31-2025; #25601 / OK / 03-31-2026	
Year registered	PE: LA 1999, AR 1999, KS 1999 SE: IL 1999, KY 2003, NE 2001, OK 2012	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		QA/QC Manager; Bridge Engineering Services (Design Peer Review)	
Steve is HNTB's Central Division Bridge Leader serving as project manager or bridge task leader for complex bridges throughout the US. In his over 40 years of experience, Steve has become a subject matter expert and trusted advisor for the design, construction and rehabilitation of all types of bridges including roadway, rail and pedestrian; steel and concrete; and fixed and movable bridges. Steve is responsible for managing multiple office/multiple-firm design assignments, which include specialists for tasks as diverse as wind tunnel studies, site-specific seismology, and geotechnical soil and rock remediation. He has developed the ability to review and coordinate a wide variety of disciplines to ensure that all the necessary pieces of complex design come together to successfully complete each bridge project. He is a licensed Professional Engineer or Structural Engineer in 18 states.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
11/23-12/23	EB SH 114 to EB SH 183 DC (Irving Interchange), Irving, Texas Subject matter expert and analysis of the possible cause(s) of loss of superelevation and vertical misalignment of cross-slope at a three-foot closure pour for a stage-constructed, curved and skewed steel plate girder bridge. This bridge was to be constructed in two stages: Stage 1 to include four girders at the inside radius of the curve supporting a 29'-0"-wide deck, and Stage 2 to add the outside radius of the curve. The two stages were to be joined together with a 3'-0" closure pour. Due to the design speed and radius of curvature, the entire length of the steel unit was to have a 6 percent cross slope. It was observed after completion of the Stage 2 deck that in order to make the closure pour, the cross-slope of the closure pour would have to be as much as 11 percent to join the two stages. Steve's review of the plans and supporting computations demonstrated that designer provided full and complete details for the steel unit and the the principal issue was the result of one or a combination of construction errors.		
07/22-Present	U.S. 17/SR 404 Spur Bridge (Eugene Talmadge Memorial Bridge) Major Maintenance Project, Savannah, Georgia Senior structural engineer who performed the proof of concept engineering to demonstrate feasibility and independent design reviewer for this \$160 million major maintenance project. This first-of-its-kind project includes replacing 144 grouted stay cables with a state-of-the-art ungrouted stay system. Stay cable replacement will be followed by modifying the bridge profile to provide an additional 20 feet of underclearance for safe passage of larger vessels into the Port of Savannah. The work included structural analyses for stay cable replacement, adjustment of stay cables for the profile change to increase the clearance over the navigation channel, wind tunnel studies to determine the wind effects on the structure at the revised profile and an assessment of structural demand under the revised wind loads.		
06/23-06/24	America's River Crossing (I-55) over the Mississippi River, Memphis, Tennessee to West Memphis, Arkansas Bridge task lead for the planning and NEPA document for the replacement of the I-55 bridge. The existing structure was built in 1949, prior to the interstate system and current seismic design provisions. Responsible for coordination with the USCG, TDOT and ARDOT for the bridge type, pier placement and span configuration for this new crossing. The new bridge will feature a 4-lane (plus two auxiliary lanes) cable-stayed bridge with a main span length of 1350 feet.		



16. Staff Experience:	
12/13-09/15	U.S. 84 Mississippi River Bridge Pin and Link Replacement, Natchez, Mississippi Senior technical advisor for replacing the pins and link on the cantilever truss bridge. Steven was responsible for developing the concept to temporarily restrain the bridge supports during the pin and link replacement.
01/16-09/16	SH 249 Direct Connector at Sam Houston Tollway, Houston, Texas: During construction, this 1-mile long direct connector that links the southbound SH 249 with westbound Sam Houston Tollway, was found to have experienced girder rotation and loss of superelevation following deck placement. As a senior technical advisor, Steve was responsible for determining the cause of the problem and developing a plan to restore super elevation to the bridge.
02/01-03/04	Old Mississippi River Bridge at Vicksburg, Mississippi Performed field investigation and evaluation of slope stability and its impact on the east substructure units for the only railroad crossing of the Mississippi River between Memphis, Tennessee, and Baton Rouge, Louisiana.
10/08-07/09	Huey P. Long Bridge Widening, New Orleans, Louisiana Project engineer overseeing the erection engineering and existing bridge analyses for the widening of the Huey P. Long Bridge, a 1934 rail and roadway bridge over the Mississippi River. This bridge included a 1,850-foot, three-span continuous cantilever truss and a 531-foot, simple span truss. The bridge was widened with two additional trusses 50.5 feet outboard of existing trusses, extension of the roadway floorbeams and new portals and sway frames.
09/05-08/08	U.S. 90 Bridge over St. Louis Bay, St. Louis, Mississippi Project design quality control manager for this \$275 million design-build replacement structure over St. Louis Bay. The project featured a 250-foot navigation span over the main channel. This emergency replacement project, as a result of Hurricane Katrina, required opening two lanes over the channel within 18 months.
05/21-Present	Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas to Memphis, Tennessee Project manager for this critical bridge over the Mississippi River. On the afternoon of May 11, 2021, during a routine inspection of the back-to-back, 900-ft trussed tied arch navigation unit over the Mississippi River, a significant fracture in a section of the fracture-critical tie girder was found requiring immediate closure of the span to highway traffic and the river to navigation traffic. HNTB was asked by the ArDOT to engage immediately with on-site presence to evaluate the fracture and provide subsequent engineering services to work with TDOT's design consultant for the evaluation of the criticality of the fracture and repairs necessary to re-open the bridge to traffic.
06/05-10/06	U.S. 90 Bridge over St. Louis Bay, Mississippi Project design quality control manager for this \$275 million design-build replacement structure over St. Louis Bay. The project featured a 250-foot navigation span over the main channel. This emergency replacement project, as a result of Hurricane Katrina, required opening two lanes over the channel within 18 months.
06/92-06/03	Bill Emerson Memorial Bridge over the Mississippi River, Cape Girardeau, Missouri and Alexander County, Illinois Project engineer and plan coordinator for this 1,150-foot main span cable-stayed bridge over the Mississippi River. This bridge, located in the New Madrid Fault region, was designed to withstand an earthquake of an approximate magnitude equal to 8.5. Also was assigned to perform wind and time history seismic analyses of the main-span unit and Illinois approaches. The navigation unit is supported on a spread footing-type foundation at Pier 2 and dredged caissons at Piers 3 and 4, while the approach bridge is supported on 106 large-diameter shafts drilled through up to 90 feet of alluvial deposits into limestone. Because of the variable water surface elevation of the Mississippi River, it was necessary to construct a causeway and cofferdam for each of the 10 approach span piers located inside the Illinois levee.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Ben Goodner, PE	Years of relevant experience with this employer	18
Title	Structural Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		#38208 / LA / 03-31-2026	
Year registered	LA 2013	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Task Order Manager; Bridge Engineering Services (Fixed Design/Construction Engineering Support); Bridge Engineering Services (Bridge/Structural Inspection & Evaluation of Existing Bridges); Bridge Protective Systems	
Ben is a civil engineer with 18 years of experience in levee, floodwall, roadway, drainage design, levee inspection, bridge design, bridge inspection application of Bentley MicroStation and Inroads, and CADD/modeling in civil design. Ben has extensive bridge design experience working on LADOTD projects. He has been tasked with managing task orders as well as leading a team of individuals in bridge design, analysis and plan production.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
10/22-Present	IJA Off-System Bridge Replacement Program, East Baton Rouge Parish, Louisiana Program manager on this \$38.5 million program replacing poor condition off-system bridges throughout the parish over multiple years. The program management encompasses all preliminary and final design tasks including environmental, hydraulics, surveying, right-of-way, roadway, traffic control, and structural. Along with managing the internal team, he manages the contracting and design tasks for multiple subconsultants.		
03/17-05/17	U.S. 90 over Atchafalaya River Bridge Inspection, St. Mary Parish, Louisiana Lead engineer responsible for developing rehabilitation plans for the U.S. 90 Atchafalaya River Bridge based on the inspection report. Repair items consisted of lower chord splice plate repairs, connection angle and plate retrofits and replacements, replacing missing or severely corroded bolts and rivets, retro fit of a new safety cable system, and gusset plate stiffening.		
04/13-Present	LA 1 Phase 2, Leeville to Golden Meadow, Louisiana Lead engineer responsible for developing design and plans for the nine-mile stretch of bridge and a 300-foot concrete T-Wall. His responsibilities included preliminary superstructure design of LG girders, deck design, substructure design, preliminary and final plan development, checking plans and design calculations, T-Wall site layout, plan and specification development. This \$450 million project will provide a new two-lane bridge from Leeville to Golden Meadow that includes an intersecting T-intersection bridge near Golden Meadow. The T-intersection has a stem that consist of a two-lane, two-way urban arterial roadway that connects existing LA 1 to the new LA 1/LA 3235 bridge. Performed field investigations, developed detailed plans conforming to LADOTD design guidelines and standards. Coordinated with LADOTD the proposed roadway and drainage design features to meet the department's minimum design guidelines, Road Design Manual, Engineering Directives and Standards Manual publications, and conform to the Hydraulics Manual. Roadway design includes accommodations for pedestrians and bicyclists per the LADOTD's complete streets policy.		
09/19-02/22	Morrison Bridges, New Orleans, Louisiana Project manager for this project rehabilitating three bridges and replacing two bridges along the Morrison Road Corridor. Responsibilities included managing design task and plan production, substructure and superstructure design, substructure and superstructure rehabilitation, construction phasing, quantities, and cost estimates.		
09/20-Present	I-20 Rehabilitation (Pines Road to I-220), Bossier Parish, Louisiana Project manager on this bridge rehabilitation and median barrier replacement project. Responsibilities include managing design task and plan production, layout and design of median barrier, construction phasing, quantities, and cost estimates.		



16. Staff Experience:	
01/17-08/17	U.S. 84 Mississippi River Westbound Bridge Painting and Pin & Link Replacement, Natchez, Mississippi Responsible for bridge inspection and assisted with traffic control for routine inspections of the two steel superstructure through-truss bridges spanning over the Mississippi River. Assisted with plan development on this rehabilitation project. Assisted the contractor in inspecting and identifying areas of concern.
10/16-12/17	LA 1 Phase, Trust Indentured NBIS Bridge Inspection, Leesville, Louisiana Lead inspector for the 2014 routine bridge inspection of the 9-mile bridge from Leesville to Port Fourchon. He inspected bridge components and developed quantity calculations and inspection reports.
07/12-04/16	I-20 Ouachita River Bridge, Ouachita Parish, Louisiana Responsible for checking the bearing design for this bridge rehabilitation. He also helped develop plans for this project, including cleaning and painting steel girders, structural concrete repairs, girder bearing replacement, finger joint replacement, joint seal installation, barrier rail modifications, epoxy deck overlay, approach slab replacement, and guardrail installation.
12/11-06/17	I-20 Bossier City Bridge Inspection and Design, Bossier City, Louisiana Inspector for five bridges along I-20. Responsibilities included analyzing the structures and diagnosing the deficiencies. A Key team member who designed new bearings for each bridge, developed plans for the accelerated replacement of the back walls and addressed other deficiencies after the condition assessment and analysis.
03/12-06/13	I-10/I-110 Epoxy Bridge Deck Overlay, Louisiana Lead engineer who coordinated and inspected the bridge deck top and bottom for approximately 4 miles of bridge. He developed final plans and sequencing for joint replacement and applied an epoxy urethane deck overlay.
02/13-06/17	U.S. 90 over LA 14 Accelerated Bridge Replacement, New Iberia, Louisiana Lead engineer responsible for developing design and plans for the substructure and MSE walls and rating the as-designed structure. He was a vital member of the team tasked with developing accelerated bridge construction procedures.
09/18-05/19	Boeuf River Bridge, Richland Parish, Louisiana Design engineer on this project, developing design and plans. He was a vital member of the team tasked with developing plans, quantities and cost estimates.
12/18-05/19	LA 532 over I-20, Webster Parish, Louisiana Design engineer responsible for developing design and plans for the abutments and retaining walls. He was a crucial member of the team tasked with developing plans, quantities and cost estimates.
11/16-08/17	Jackson St. Bridge Rating and Inspection, Alexandria, Louisiana The team leader on the inspection of this movable truss is identifying and documenting deficiencies and current condition. Using the bridge rating program, he helped rate the truss bridge for the existing condition and put together the report.
05/16-12/16	I-10 over Mississippi River Bridge Inspection, Baton Rouge, Louisiana Team leader on the inspection of this Mississippi River Truss Bridge, identifying and documenting deficiencies, and developing inspection reports.
10/19-10/20	Louisiana Owner Verification, Loyola Interchange, New Orleans, Louisiana Team member performing reviews of the design documents for this design-build project. He reviewed the plans, reports, calculations and other documents to ensure they were correct and consistent with LADOTD methodologies and general practices.
09/19-01/20	Jesuit Bend Flood Protection Improvements, Plaquemines Parish, Louisiana Task lead responsible for the site layout of the levee tie to the roadway tie-in. He also performed the structural design and analysis of the southern closure floodwall and railroad gate. This project is being funded through CPRA under the Water Resources Development Act.
09/20-09/21	Caddo Lake Bridge (HBI), Caddo Parish, Louisiana Project manager on this bridge replacement project. Responsibilities include managing design tasks & plan production, design of substructures, site layout, construction phasing layout, quantities, and cost estimates. Tasks also include managing all submittals and reviews for construction services
03/16-06/16	Louisiana In-Depth Bridge Inspection, I-10 over Calcasieu River Bridge Inspection, Lake Charles, Louisiana Team leader on the inspection of this Calcasieu River Truss Bridge, identifying and documenting deficiencies, and developing inspection reports. He also developed a report summarizing repair recommendations and prioritization based on need and cost.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Marc Hoffmann, PE	Years of relevant experience with this employer	7
Title	Bridge Project Manager	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		MS / 2018 / Civil Engineering; BS / 2015 / Civil Engineering	
Active registration number / state / expiration date		#44342 / LA / 09-30-2026	
Year registered	LA 2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Task Order Manager; Bridge Engineering Services (Fixed Design/Construction Engineering Support); Bridge Engineering Services (As-Designed, As-Built & Condition Ratings); Bridge Engineering Services (Bridge/Structural Inspection & Evaluation of Existing Bridges); Bridge Protection Systems	
Marc brings over 10 years of experience in bridge design, inspection, evaluation and rehabilitation. In his tenure, he has gained extensive knowledge of the AASHTO manuals for bridge design, evaluation, and element inspection.			
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).		
02/21-12/21	LA 1 Leeville to Golden Meadow Phase 2 Design, Leeville, Louisiana Technical engineer and designer for new two-lane bridge connecting Golden Meadow to Leeville (approximately 8 miles of bridge). The project consisted of PPC girder spans, slab spans, and reinforced concrete substructures and consisted of three different phases: 2A, 2B, and 2C. As a technical task lead and designer on the project, he designed the substructures for Phase 2C as well as produced plan sheets. He also provided guidance on the superstructure design of the slab spans for Phase II C. Models were created for the superstructure and substructure of the bridge using Leap Bridge Concrete, and plan sheets were created using MicroStation. Once final plans were submitted, Marc assisted in the letting support phase by answering contractor questions and providing any necessary plan revisions.		
01/22-Present	LA 1 Leeville to Golden Meadow Phase 2 Construction Support, Leeville, Louisiana Technical engineer and deputy project manager for the construction support services of the two-lane bridge connecting Golden Meadow to Leeville (approximately 8 miles of bridge). As a technical engineer on the project, he has been reviewing structural shop drawings including but not limited to girder shop drawings, precast cap shop drawings, and pile shop drawings. As deputy project manager for the project, Marc has been distributing shop drawings for review to different disciplines. Marc has also been answering RFI's including but not limited to pile misalignment, material substitutions, and construction joint placements. When required, Marc has been putting together any required change orders using MicroStation.		
02/22-05/25	I-10 Calcasieu (HBI) Early Works Package, Lake Charles, Louisiana Bridge engineer participating in the designs of the superstructure and substructure for the new 70'-0" steel girder temporary bridge over a piperack trench. Due to the new P3 Calcasieu River Bridge Replacement project, the local gas pipeline owner was required to re-locate its gas pipelines to a new location that did not conflict with the new P3 bridge piers. The final gas pipeline configuration was a piperack trench that conflicted with the existing I-10 on/off ramp new Sampson Street. This required a temporary bridge to be constructed to span the piperack trench on the I-10 on/off ramp until the new P3 bridge is built. Project also included a temporary access road underneath the existing I-10 bridge with low vertical clearance. Marc designed a Crash Beam structure to protect the existing bridge while also providing safety to drivers. Marc served as designer on the project as well as overseeing the final bridge plan production for the project. The project utilized accelerated bridge construction (ABC) techniques by utilizing preconstructed girder and concrete deck segments with ultra high performance concrete closure pours.		



16. Staff Experience:	
09/18-11/19	LA 532 over I-20 Bridge Design, Minden, Louisiana Technical engineer and designer for the new LA 532 bridge over I-20. The new bridge design utilized PPC beams on reinforced concrete bent caps with reinforced concrete columns. As a technical engineer for the project, he was tasked with designing the major portions of the bridge, including the girders, deck, and substructure. Models were created for the superstructure and substructure of the bridge using Leap Bridge Concrete, and the models were used for the design. Once the design was finalized, MicroStation sheets were created to convey the design and construction intent, and the sheets were submitted to LADOTD. Once final plans were submitted, Marc assisted in the letting support phase by answering contractor questions.
01/20-10/21	LA 532 over I-20 Construction Support, Monroe, Louisiana Technical engineer for the construction support services for the new LA 532 bridge over I-20. As a technical engineer on the project, he reviewed structural shop drawings including but not limited to girder shop drawings, bearing pad shop drawings, and joint shop drawings. Marc also answered RFIs including but not limited to pier protection and drilled shaft questions.
02/18-06/18	LA 15 over Boeuf River Bridge Design, Richland Parish, Louisiana Technical engineer and designer for the new LA 15 bridge over Boeuf River. The new bridge design utilized PPC beams on reinforced concrete bent caps. As a technical engineer for the project, he was tasked with designing the major portions of the bridge, including the deck and concrete bent caps. Models were created for the design of the superstructure and substructure using Leap Bridge Concrete. Once the design was finalized, MicroStation sheets were created to convey the design and construction intent, and the sheets were submitted to LADOTD. Once final plans were submitted, Marc assisted in the letting support phase by answering contractor questions.
08/18-08/23	LA 15 over Boeuf River Construction Support, Richland Parish, Louisiana Technical engineer for the construction support services for the new LA 15 bridge over Boeuf River. As a technical engineer on the project, he reviewed structural shop drawings including but not limited to girder shop drawings, bearing pad shop drawings, and joint shop drawings.
02/24-07/24	LA 47 Bayou Bienvenue Bridge Replacement Design, St. Bernard Parish, Louisiana Deputy project manager and bridge engineer overseeing the designs of the superstructure and substructure for the new 320'-0" slab span bridge near Chalmette. Due to the rapidly deteriorating nature of the bridge, accelerated bridge construction (ABC) techniques were incorporated into the final plans by utilizing precast concrete bent caps that were the exact same dimensions for both Phase 1 and Phase 2 construction. Due to the proximity of the low chord to corrosive brackish water, stainless steel reinforcing bars as well as discrete galvanic anodes were also incorporated into the final plans. The project required an extremely condensed schedule with final plans required within six months of the start of the project.
12/24-Present	LA 47 Bayou Bienvenue Bridge Replacement Construction Support, St. Bernard Parish, Louisiana Project manager for the construction support services for the new 320'-0" slab span bridge near Chalmette, LA. As project manager and bridge design engineer overseeing junior bridge engineers, he has been distributing and overseeing structural shop drawings including but not limited to precast concrete bent caps, piles, and metal bridge railing shop drawings. Marc has also been distributing and overseeing RFI reviews as needed.
10/20-03/22	LA 3250: I-49/UPRR Overpass Repair, Alexandria, Louisiana Technical engineer for the project, which partially replaced a 95-foot concrete prestressed girder span hit by an over-height vehicle. To ensure minimal impact on traffic, the new portion of the span was constructed off-site and moved into place using a SPMT. He was tasked with designing the new girders to replace the damaged girders and ensuring the newly constructed portion of the span would fit into place once it was moved with SPMT. He used computer-aided software (LEAP Bridge Concrete) to calculate superstructure girder capacities and loads. Marc also used Bentley MicroStation to produce drawings for the plan set, and Marc also performed quality control on the MicroStation sheets.
06/16-02/17	Inspection and Load Rating of Three Complex Truss Bridges, Statewide, Louisiana Inspector and technical engineer tasked with the inspection of the gusset plates for each of the three truss bridges. Performed load rating analysis. Coordinated with local state traffic control divisions, taking measurements and recording observations during the inspection, and performing post-analysis and generating inspection reports for each bridge.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Patrick Duffy, PE	Years of relevant experience with this employer	4
Title	Project Manager	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MS / 2020 / Civil Engineering BS / 2016 / Civil Engineering	
Active registration number / state / expiration date		#45363 / LA / 09-30-2027	
Year registered	LA 2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Task Order Manager; Bridge Engineering Services (Fixed Design/Construction Engineering Support); Bridge Engineering Services (As-Designed, As-Built & Condition Ratings)	
Patrick is a project manager within HNTB's Gulf Coast District Bridge Department. He has experience working in traditional bridge engineering services of design, rehabilitation, and load rating. Having worked on both simple and complex bridges throughout the state of Louisiana for the LADOTD, he is familiar with the proper requirements and standards that the LADOTD expects.			
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).		
11/23-Present	IJA Off-System Bridge Program, District 61, East Baton Rouge Parish, Louisiana Deputy program manager for a \$38.5M off-system bridge replacement program, replacing 13 bridges separated into 10 different projects located throughout East Baton Rouge Parish. This program utilizes federal funding facilitated through LADOTD to replace parish owned bridges. This role includes coordination with LADOTD, East Baton Rouge Parish and other stakeholders, management of multiple subconsultants, delivery of this multi-discipline project, and construction related services. Disciplines include bridge design, roadway design, environmental services, geotechnical design, geotechnical testing, survey, ROW mapping, traffic control, and hydraulics.		
02/22-Present	I-10 Calcasieu (HBI) Early Works Package, Calcasieu Parish, Louisiana Project engineer who served as task lead for the Calcasieu River Bridge substructure modifications and existing bridge repairs. To allow for the new railroad alignment, modifications were required to the substructure of the existing bridge. A complex system involving temporarily supporting the structure and transferring the load to the new structure was designed. Complex Finite Element Analysis was required to design the straddles and jacking connection. Repair plans were developed based on the agreed to repairs from the inspection performed. The scope of the repairs included those necessary to extend the life of the structure for the duration of the replacement schedule and to minimize the maintenance required on the existing structure until it can be retired from service.		
06/25-Present	LADOTD IDIQ Contract for Bridge Preservation, Statewide, Louisiana Task order manager for the LADOTD IDIQ Contract for Bridge Preservation. Acts as point of contact with LADOTD in development of scope and fee for task orders under this contract. Serve as project manager for the Grover Jones Road over Williams Creek and Sidney Leblanc Road over Coulee bridge spot replacement projects. Disciplines included in both projects include survey, hydraulics, road design, and bridge design.		
04/21-12/24	LADOTD IDIQ Contract for Bridge Preservation, Statewide, Louisiana Project engineer who performed design and analysis services for the LADOTD IDIQ Contract for Bridge Preservation. Projects under this contract include assessing bridge existing conditions and designing bridge repairs for bridge impact, designing bridge rehabilitation plans including heat straightening, CFRP repairs, concrete deck patching, joint replacement, and bearing replacement. In the I-110 North Street to Plank Road task order he was tasked with assessing bridge superstructure impact damage and designing bridge repairs to the North 19th Street Bridge. This bridge repair project is part of the larger ongoing I-110 corridor improvements project. To assess the impact damage, existing plans and up to date inspection reports were reviewed; a site visit was also performed. A bridge superstructure model was then developed in BrR properly reflecting the bridge in its damaged state. A bridge repair was design for the impacted members which was independently rated by hand calculations. These repairs were then generated in a BrR model that properly reflected the post-repair results. Additional tasks performed under this contract include QC/QA for multiple task orders through final plan development.		



16. Staff Experience:	
08/24-08/25	Load Rating IDIQ, Statewide, Louisiana Project engineer who served as task lead for the bridge load rating of six complex structures. The project consists of analyzing complex bridges with the goal of providing LADOTD with an overall assessment of the current condition of each bridge as well as repair recommendations and plans if necessary. Bridge structure types in this project include swing span, pontoon, and vertical lift. This project included collecting existing bridge plans and inspection reports, determining proper load rating method and procedures on a case-by-case basis for each unique structure type, load rating analysis of the superstructure and substructure of existing bridges, report generation, assisting engineers through the load rating process, and providing QA/QC on all deliverables to the client.
04/25-Present	I-10 Calcasieu River Bridge (HBI) Owner's Verification, Calcasieu Parish, Louisiana Bridge plan review group manager for the design review team of the \$2.3 billion I-10 corridor replacement project. This corridor replacement project is being delivered through a Private Public Partnership (P3) delivery mechanism, where HNTB operates as the Owner's Verifier. In this role, he serves as a subject matter expert and leads a team reviewing bridge plan design packages, ensuring a quality plan set is delivered for the LADOTD. Plans are reviewed for contract compliance as well as compliance with LADOTD, FHWA, and AREMA standards.
04/21-12/21	LA 1 Phase 2 Bridge, Lafourche Parish, Louisiana Bridge engineer on the slab span substructure design team for the elevated bridge intersection connecting relocated LA 1 with the existing road. Task leader for load rating of new superstructure and substructure of Phase 2C. The project involved elevating an 8.3-mile stretch of two-lane, at-grade, rural State Highway 1 to 22 feet above the rising Gulf of Mexico and surrounding marsh to eliminate frequent inundation and consequential energy production impacts. The construction cost for this project is \$436 million.
05/24-07/25	U.S. 80 over CPKC, Mississippi Led the engineering team responsible for updating bridge plan sheets in response to technical comments from CPKC. Coordinated design revisions and ensured compliance with stakeholder requirements and standards. This project was commissioned by the Mississippi Department of Transportation (MDOT) and involved close collaboration with railroad representatives to address structural and operational considerations.
04/21-12/21	LA 1 Leeville to Golden Meadow Phase 2, Leeville, Louisiana Bridge engineer on the substructure design team for the elevated bridge intersection connecting relocated LA 1 with the existing road and Phase 2B substructures designed with alternatives for utility considerations. Task leader for load rating of new superstructure and substructure of Phase II C. The project involved elevating an 8.3-mile stretch of two-lane, at-grade, rural State Highway 1 to 22 feet above the rising Gulf of Mexico and surrounding marsh to eliminate frequent inundation and consequential energy production impacts. The construction cost for this project is \$436 million.
02/19-08/19	South Broad Ave over the Pontchartrain Expressway Bridge Load Rating, New Orleans, Louisiana Structural engineer responsible for the load rating and evaluation of the South Broad Ave over Pontchartrain Expressway bridge, a 2589-foot-long steel I-Beam bridge, in New Orleans built in 1951. To properly load rate this bridge, he reviewed the as-built drawings of the bridge, determined the appropriate load rating method and procedures, created 59 unique span and cross girder models in AASHTOWARE BrR, and compiled a thorough report. Assumptions made in BrR to accommodate this complex structure were verified using finite element modeling in Midas. This report contained descriptions of the existing bridge and conditions, the procedures used for the analysis, and the load rating results.
07/18-08/19	I-10 High Rise Fire Damage Repair, New Orleans, Louisiana Engineer involved in the design and construction oversight of this project which included the structural repair of bridge superstructure and substructure due to fire damage, structural concrete patching, traffic maintenance, structural jacking, replacement of bearing pads, and application of carbon fiber reinforced polymer.
06/23-07/23	TXDOT FM 156 Underpass at Alliance Logistic Connector, Dallas, Texas Project engineer who served as task manager for the bridge design and plan development of a three-span 370-foot bridge utilizing prestressed concrete girders and column bents. Lead team through superstructure and substructure design as well as provided QC/QA on plan development. The bridge followed traditional design methods and a compressed schedule creating a 95% plans set in 5 weeks.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	John Bernard, PE	Years of relevant experience with this employer	27
Title	Technical Advisor	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 1998 / Civil Engineering	
Active registration number / state / expiration date		#31026 / LA / 03-31-2026 ; #19068 / MS / 12-31-2025	
Year registered	LA 2004, MS 2009	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Fixed Design/Construction Engineering Support); Bridge Engineering Services (Accelerated Bridge Construction); Bridge Engineering Services (As-Designed, As-Built & Condition Ratings)	
John's experiences include bridge design, widening, repair, rating, inspection, construction support and plan preparation, as applicable for steel trusses, movable bridges, curved and straight plate girders, prestressed girders, and timber structures. He performed many various bridge inspections including five major Mississippi River crossings. He is experienced with major Mississippi River bridge repair plans and construction inspection. He has performed many non-bridge structural designs and repairs, such as retaining walls, floodwalls, floodgates, culverts, etc.			
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).		
02/22-05/25	I-10 Calcasieu (HBI) Early Works Package, Calcasieu Parish, Louisiana Lead design engineer responsible for the footing and straddle bent design of a straddle bent that ties into the existing I-10 Calcasieu River Bridge in order to span over a relocated railroad spur. Also lead designer for the 70'-0" steel girder temporary bridge that spans over a relocated gas piperack trench on the I-10 on/off ramp near Sampson Street. Both the railroad spur and gas pipelines were required to be relocated in order to not interfere with the new P3 Calcasieu River Bridge. The temporary bridge utilized accelerated bridge construction (ABC) techniques by utilizing preconstructed steel girder and concrete deck segments with ultra high performance concrete closure pours.		
04/13-Present	LA 1 Leeville to Golden Meadow Phase 2, Leeville, Louisiana Lead design engineer for this bridge project, which will eventually connect at-grade LA 1 to the existing Phase 1 structure. His duties include coordination with LADOTD personnel, superstructure development, substructure development and geometric alignment development. His additional project coordination responsibilities include subconsultants, permits, utilities, electrical/lighting design, ITS design and tolling system design. This project is multi-faceted, including a phased design and construction approach, a tolling facility, levee, flood wall and pipeline crossings, unique ABC methods, and environmental regulations.		
12/11-08/18	I-20 Overpass Rehabilitation, Bossier City, Louisiana Lead design engineer responsible for inspection and repair plans for five, twin, steel-span and two concrete span bridges (Westerfield to Industrial). The project included many significant scope changes, including replacing rocker bearings, steel plate expansion joints, end bent backwall using precast sections, approach slabs (precast and CIP), bridge barriers and roadway median barriers, bridge barrier retrofits, deck overlay, steel repainting, and concrete repair.		
02/24-Present	LA 47 Bayou Bienvenue Bridge Replacement, St. Bernard Parish, Louisiana Lead design engineer of the superstructure and substructure for the new 320'-0" slab span bridge near Chalmette, LA. Due to the rapidly deteriorating nature of the bridge, John incorporated accelerated bridge construction (ABC) techniques into the final plans by utilizing precast concrete bent caps that were the exact same dimensions for both Phase 1 and Phase 2 construction. The project requires the bridge to be constructed in phases, and John was responsible for identifying the phasing locations and layout for the bridge portion of the project. The project is currently in construction.		
09/21-Present	I-110 North Street to Plank Road, East Baton Rouge, Louisiana Lead design engineer who designed and developed plans for soil-founded, grade separated (up to 8 feet) cantilever retaining walls with traffic barriers, and steel girder repair due to vehicle impact damage using heat straightening and cover plates.		



16. Staff Experience:	
09/20-04/21	Caddo Lake Bridge (HBI), Caddo, Louisiana Designed superstructure, non-standard approach slabs and guardrail. He also developed all bridge plans. The new 2,050-foot prestressed girder bridge replaces the existing bridge using phased construction.
10/18-3/19	U.S. 90 LDRR and LA 329 Overpass Rehab, Iberia Parish, Louisiana Lead design engineer responsible for developing repair plans for ABC using precast end bent backwall replacements under phase construction. Other repairs included approach slab, concrete patching, anchor bolts, joint seals, and bearing pads.
12/11-08/18	I-20 Overpass Rehabilitation, Bossier City, Louisiana Lead design engineer responsible for inspection and repair plans for five, twin, steel-span and two concrete span bridges (Westerfield to Industrial). The project included many significant scope changes with repairs including replacing rocker bearings, steel plate expansion joints, end bent backwall using precast sections, approach slabs (precast and CIP), bridge barriers and roadway median barriers, bridge barrier retrofits, deck overlay, steel repainting and concrete repair.
02/16-05/17	U.S. 90 over LA 14, Iberia Parish, Louisiana Lead design engineer for superstructure and final plans development for a 49-degree skewed, steel plate girder superstructure (two spans at 120 feet). Plans include phased construction and ABC methods with a staging area for off bridge construction of the superstructure. Steel beams designed with CSI Bridge.
09/24-Present	I-12 over Hog Branch, Livingston, Louisiana Lead design engineer for the superstructure, substructure and non-standard approach slabs for the new I-12 bridge over Hog Branch. The project requires the bridge to be constructed in phases, and John is responsible for identifying the phasing locations and layout for the bridge portion of the project. The new bridge is 125-foot wide with a median barrier and also utilizes link slab spans on precast concrete girders
08/18-08/23	LA 15 over Boeuf River Bridge, Richland Parish, Louisiana Lead design engineer for the superstructure and substructure of the new LA 15 bridge over Boeuf River. The new bridge utilized precast concrete girders and concrete bent caps. Girders were designed utilizing LEAP Bridge Concrete, and the substructures were designed using RC Pier. John also oversaw the plan production for the project.
03/06-07/08	I-49 Connector Phase II Functional Plan, Lafayette, Louisiana Performed preliminary bridge layout and assisted with preliminary cost estimates for the future 5-mile corridor of I-49 from I-10 to the Lafayette Regional Airport. The project includes mainline freeway structures at 3.1 miles elevated; one 3-level directional interchange at 1.5 miles elevated; mainline ramp structures at 1.4 miles elevated; and associated railroad structures at 0.1 miles elevated
03/07-05/17	I-10 Calcasieu River Bridge EIS, Lake Charles, Louisiana Developed preliminary bridge layouts for various vertical clearances of the main channel span and provided cost estimates.
05/16-06/18	U.S. 84 Mississippi River Bridge Pin and Link Replacement, Natchez, Mississippi Designed and developed repair plans to replace truss links at six locations (U19 and U69 upstream and downstream, U29 Upstream, and U49 Downstream) of a primary link system that supports suspended spans. Repairs required modification of the existing truss, the design of temporary post-tensioning restraining systems, and design of new links and pins. Plans include repainting the structural steel and navigation gauge. Performed design and construction inspections.
01/17-04/17	I-10 from SR 57 to the Alabama State Line, Jackson County, Mississippi Developed concept plans for interstate widening, including three alternates, phase construction, PPC girder spans, voided slab spans, and replacement of a 2-beam, steel box girder span with new steel plate girders.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Aravind Tankasala, PhD, PE	Years of relevant experience with this employer	7
Title	Bridge Engineer	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		PhD / 2017 / Civil Engineering; MS / 2013 / Civil Engineering; BS / 2011 / Civil Engineering	
Active registration number / state / expiration date		#46286 / LA / 03-31-2026	
Year registered	LA 2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Fixed Design/Construction Engineering Support); Bridge Engineering Services (As-Designed, As-Built & Condition Ratings)	
Aravind is a professional bridge engineer in HNTB's New Orleans office. He is a registered member of the American Concrete Institute (ACI). He possesses a working knowledge of bridge design, structural analysis, drafting in MicroStation and national codes/standards such as AASHTO, ASCE, and ACI. He has worked on multidisciplinary projects in the laboratory and on the field and with multiple teams to develop strong interpersonal and communication skills.			
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).		
08/24-01/25	Complex Bridge Rating Project, Louisiana Rated and checked pontoon bridges, continuous steel stringer-girder non-composite deck bridge, and concrete slab bridge subject to continued deterioration. LARSA 4D was used to accurately model the continuous steel stringers resulting in improved load rating factors. Coordinated with different offices and developed multiple reports.		
10/20-08/21	LA 1 Phase 2C, Leeville to Golden Meadow Bridge, Lafourche Parish, Louisiana Designed and drafted the substructure for multiple prestressed girder spans. Checked the prestressed girder, bearing seat elevations, bearing pad, and deck designs. Rated the superstructure and substructure for both the girder and slab spans. Put together rating reports and performed quality control checks.		
08/19-03/20	Louisiana Bridge Rating, Statewide, Louisiana Rated the superstructure and substructure for various types of bridges. The bridges include prestressed concrete girder spans, slab spans and continuous reinforced concrete girder spans. Put together rating reports and performed quality control checks on the spans.		
12/18-04/19	LA 532 over I-20 Webster, Richland Parish, Louisiana Bridge engineer for this design-build contract to construct a prestressed concrete girder bridge superstructure and substructure over I-20. Assisted with the design and detailed drafting of both the super and substructure. Developed custom made excel spreadsheets to check for column design and prestressed girder design. Performed quality control check on the final plans which included the super and sub-structure.		
04/20-08/20	Inspection of Audubon and Biloxi Bridge, Biloxi, Mississippi Performed a detailed inspection of the Audubon bridge superstructure which included the ladder girder/deck system, comprising of two longitudinal girders supported by transverse floor beams. Also performed inspection of the main tower cables from inside the towers. A routine inspection of the Biloxi Bay Bridge (deck and bents) was completed.		
12/23-03/24	Complex Bridge Rating Project, Mississippi Rated a seven span curved reinforced concrete girder bridge using LARSA 4D. The bridge had fixed as well as simple supports with a varying cross section over the length of the bridge with unequal spans. Coordinated with different offices and worked on a tight deadline.		



16. Staff Experience:			
Firm employed by: Forte & Tablada, Inc.			
Name	Joffrey Easley, PE	Years of relevant experience with this employer	18
Title	Project Manager	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		MS / 2003 / Civil Engineering; BS/ 2000 / Civil Engineering	
Active registration number / state / expiration date		#31542 / LA / 03-31-2027	
Year registered	LA 2004	Discipline	Civil
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Fixed Design/Construction Engineering Support); Bridge Engineering Services (As-Designed, As-Built & Condition Ratings)	
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-Present	Retainer Contract for Bridge Load Rating Services, Statewide, Louisiana 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). Task Order 1 is for the load rating of 95 on-system slab span bridges that have experienced a condition drop since the last load rating. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting. Task Order 6 is for the load rating of approximately 65 on-system girder bridges that have experienced a condition drop since the last load rating. Bridges vary from small bridges built using LADOTD Standard Plans to complex urban bridges several-thousand feet long. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting.		
03/23-05/25	E Lewis Street Bridge Upgrades, Lafayette, Louisiana Project manager 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 three-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.		
09/23-Present	T-1 Steel Bridge Inspections, Statewide, Louisiana Project manager for two Task Orders under a load rating retainer contract to perform ultrasonic testing on several bridges across the state in accordance with Federal Highway Administration (FHWA) requirements. Testing is required on all non-redundant tension members composed of T-1 steel with complete joint penetration (CJP) butt welds that were fabricated without a fracture control plan (FCP). Task Order 7 is for the testing of the LA 47 bridge over the Mississippi River Gulf Outlet, which is commonly referred to as the "Green Bridge". The main span of this bridge is a box-shaped tied arch span with deck truss flanking spans. Ultrasonic testing of 156 welds, primarily located in the tie girders, was required. Multiple rejectable defects were identified. Many of the defects were removed by using an annular cutter, but two welds contained multiple deficiencies. Repair options for these welds are being coordinated with FHWA and LADOTD and are being developed by WJE. Task Order 8 is for the testing of the U.S. 90 bridge over the Atchafalaya River in Morgan City and the I-20 bridge over the Mississippi River in Vicksburg. Both bridges are cantilevered through trusses composed of fabricated I-shapes. The U.S. 90 bridge and the I-20 bridge contain 108 welds and 68 welds that require testing, respectively. Weld testing of both bridges is complete and repair options are currently being developed to mitigate rejectable indications.		



16. Staff Experience:	
03/18-05/22	Retainer Contract for Off-System Bridge Load Rating, Statewide, Louisiana Project manager, load rating engineer, and team leader for a retainer contract that includes multiple Task Orders to inspect and load rate off-system bridges and culverts across the state. Task Order 1 includes the inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges. Task Order 2 is the inspection and load rating of approximately 200 off-system bridges, consisting primarily of slab spans. Task Order 2b and 3 are the 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. Task Order 4 is the 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, Louisiana. 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. Task Order 5 he serves as the 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.
02/22-Present	Load Ratings of Parish Owned Bridges, Ascension Parish, Louisiana 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 15 Task Orders have been to inspect, perform a condition assessment, and provide a load rating report in accordance with LADOTD 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 LADOTD.
02/22-12/23	Contract for Bridge Engineering Services, Livingston Parish, Louisiana 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 IJA 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.
06/24-Present	Gurney Road Bridge Replacements, East Baton Rouge Parish, Louisiana Bridge project manager for the replacement of two 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.
10/20-02/21	I-10 Permit Vehicle Load Rating, Orleans Parish, Louisiana 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.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Christian Brown, PE	Years of relevant experience with this employer	32
Title	Senior Project Director	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 1993 / Civil Engineering; BS / 1992 / Architectural Engineering	
Active registration number / state / expiration date		#39217 / LA / 03-31-2027; #20695 / CT / 01-31-2026; #18125 / IA / 12-31-2025; #30194 / MO / 12-31-2025; #11748 / NE / 12-31-2025; #86839 / OR / 12-31-2025	
Year registered	LA 2014, CT 1999, IA 2006, MO 1999, NE 2006, OR 2012	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Movable Design/Construction Engineering Support); Bridge Engineering Services (Bridge Protection Systems); MPR #7	
Christian's specific area of expertise includes the design of movable bridges, having directly managed movable bridge design, rehabilitation and construction projects for the last 32 years. He currently serves as HNTB's national movable bridge practice leader. In this role, he partners with HNTB's structural, mechanical and electrical engineers to deliver a wide array of movable bridge solutions on projects across the U.S. During his 32 years with HNTB, he has been involved in a wide variety of movable bridge feasibility, design and construction projects. Christian is responsible for projects through their entire lifecycle, including environmental permitting, planning, preliminary and final design and construction phase services. He has worked closely with many agencies in the permitting and construction of river crossings, including the U.S. Coast Guard and USACE.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/09-10/11	Almonaster Avenue over the Inner Harbor Navigation (Strauss Bascule Bridge), New Orleans, Louisiana Project manager and engineer of record responsible for the preliminary design, final design and construction phase services for the \$60 million reconstruction of the existing movable span and fixed approach spans. A feasibility study, which included full structural, mechanical and electrical inspections of the Strauss Bascule Span and fixed spans alternatives analysis, constructability reviews, construction cost estimates, construction schedules and final recommendation report was followed a final environmental assessment, including consultation with the state historic preservation office and United States Coast Guard (USCG).		
01/12-01/14	Belle Chasse Tunnel and Bridge (LA 23) Replacement, Plaquemines Parish, Louisiana Project manager responsible for the concept development, alternatives analysis, and preliminary engineering associated with the reconstruction of the Gulf Intracoastal Waterway crossing. The existing facility consists of a vertical lift span carrying westbound traffic and a tunnel carrying eastbound traffic. As part of the Phase I environmental work, HNTB evaluated steel and concrete structure types and span arrangements for high-level fixed bridge alternatives. Movable bridge alternatives included vertical lift spans and double-leaf bascule spans. The Phase I work included providing support for the National Environmental Policy Act (NEPA) environmental document, development of construction cost estimates and schedules and preliminary plans. Also, due to the site constraints, a detailed construction-phasing scheme was also developed with close coordination with the USCG for the maintenance of navigation traffic.		
04/12-04/16	LPV 145 Swing Span Bridge at Bayou Bienvenue Floodgate, USACE - Orleans Levee District, Orleans Parish, Louisiana Movable bridge design project manager for the \$10 million hydraulically-driven movable bridge project located in St. Bernard Parish, Louisiana, in Bayou Bienvenue. The bridge adjacent to the existing sector gate control structure will serve as critical northern access to the LPV 145. That was previously dubbed an island as Bayous Bienvenue, and Dupre framed it. The 140-foot bob tail swing span bridge comprises a welded composite steel thru girder system that swings in and out of place; concrete approach spans are supported by prestressed concrete pile bents that tie back to existing grade with earthen embankments.		



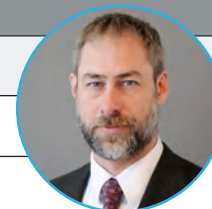
16. Staff Experience:	
09/14-Present	New Haven Line Bridge/NEC WALK Bridge Program, Norwalk, Connecticut Project manager and engineer of record for the \$2.3 billion WALK Bridge Program, leading HNTB through environmental documentation, stakeholder engagement, and all phases of engineering. He directed the NEPA Environmental Assessment in coordination with FRA, FTA, CTDOT and the USCG. The infrastructure improvements encountered several cultural resource sites requiring extensive Section 106 Consultation with the CT SHPO. His leadership guided the design of key program elements including the WALK Bridge replacement, Danbury Branch Line yard improvements, universal interlocking, East Norwalk Station reconfiguration, and multiple undergrade bridge replacements. His work ensures operational resilience and infrastructure renewal along the four-track NEC corridor.
08/18-12/22	NJ Transit Newark Draw (Morristown Line Undergrade Bridge 7.48 Over the Passaic River), Newark, New Jersey Project manager and engineer of record for the \$1.1 billion replacement of the movable Newark Draw bridge (Undergrade Bridge No. 7.48 over the Passaic River) for New Jersey Transit, which reconstructs the existing double-track, mile-long rail corridor with a three-track corridor on a new alignment. In addition to the spans over the navigable waterway, the infrastructure improvements include the replacement of seven undergrade railroad bridges within the corridor using accelerated bridge construction techniques and the incorporation of two new universal interlockings. As part of the Preliminary Engineering phase, HNTB collaborated with New Jersey Department of Environmental Protection, US Army Corps of Engineers, and US Coast Guard to advance early environmental studies supporting NEPA and the establishment of the preferred alternative.
06/24-07/25	Bush and Gunpowder River Bridges Planning Study, Harford and Baltimore Counties, Maryland Project manager and engineer of record for the planning and conceptual engineering study to replace two aging movable bridges along Amtrak's NEC. He led HNTB's multidisciplinary team in developing technically feasible alternatives to improve safety, reliability and capacity, enabling high-speed rail service up to 160 MPH. He oversaw environmental investigations, stakeholder engagement, track alignment studies and bridge type evaluations, aligned with Amtrak's strategic goals and federal infrastructure priorities. His deep familiarity with Amtrak standards and prior success on similar NEC bridge projects positioned him to drive the study toward successful NEPA and PE phases.
08/09-04/10	South Park Bridge, Seattle, Washington Design quality control manager for final design (PS&E) of the \$96.5 million South Park Replacement Bridge and approach roadways located over the Duwamish Waterway on an urban arterial street in the complex, mixed-use communities of Tukwila and urban South Park. The project includes the design of a 230-foot double-leaf trunnion bascule movable bridge founded on sunken caissons, 600 feet of prestressed concrete approach spans and 400 feet of earthen embankments. (King County Department of Transportation.
07/02-08/04	Bridge 282.21 over the Black River, La Crosse, Wisconsin Project manager responsible for the inspection, rating, recommendation report, rehabilitation and replacement design and construction phase services for the \$20 million reconstructed bascule span, approach spans, and improvements to the existing masonry and concrete piers for this \$20 million, fixed and movable bridge reconstruction project constructed on the existing alignment. Complete structural, mechanical and electrical inspections were completed to support the rehabilitation/reconstruction alternatives analysis (AA) included in the recommendation report.
03/09-10/12	Bridge No. 204.66 over the Mississippi River, Burlington, Iowa Project engineer responsible for the inspection, rating, recommendation report, rehabilitation and replacement design and construction phase services for the vertical lift span, lift span towers, approach spans, and improvements to the existing masonry piers for this \$140 million, fixed and movable bridge reconstruction project constructed on the existing alignment. The project was recognized as with a 2012 ACEC Grand Design Award.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Manab Medhi, PE, SE	Years of relevant experience with this employer	17
Title	Bridge Department Manager	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		MBA / 2014 ; MS / 2008 / Civil Engineering; BS / 2004 / Civil Engineering	
Active registration number / state / expiration date		PE: #45083 / LA / 03-31-2027; #53297 / AZ / 06-30-2027; #050815 / NC / 12-31-2025; #0402062504 / VA / 08-31-2026; #51816 / WA / 11-15-2026; #59751 / MN / 06-30-2026; #40001436 / WA, DC / 08-31-2026; #2023034724 / MO / 12-31-2025; #18410 / ME / 12/31/2025; #0063592 / CO / 10-31-2025; #2743459 / NJ / 04-30-2026; #P29107 / IA / 12-31-2025 SE: #081008232 / IL / 11-30-2026; #51816 / WA / 11-15-2026	
Year registered	PE: LA 2020, AZ 2012, NC 2020, VA 2020, WA 2014, MN 2021, WA, DC 2023, MO 2024, ME 2023, CO 2023, NJ 2024, IA 2024, MI 2024 SE: IL 2018, WA 2014	Discipline	Civil
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Fixed Design/Construction Engineering Support); Bridge Engineering Services (Movable Design/Construction Engineering Support)	
Manab is the bridge department manager in HNTB's Kansas City, Missouri office with more than 18 years of experience in bridge design. He has worked with a variety of bridge types, including highway and rail, delivered using DBB, DB and construction manager/general contractor (CMGC) delivery methods. His experience primarily includes project management, structural design, development of bridge layout, developing construction sequence, reviewing temporary work and construction methods developed by contractors, responding to RFI's. He also provided construction supports during the construction phases of several complex projects that included large scale drilled shaft foundations, curved girders on straddle caps with unique configurations, long span trusses, erection, and balance of bascule spans.			
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).		
01/17-01/20	Ballard Bridge Replacement (Bridge 6.3), Seattle, Washington Project manager and engineer of record for the replacement of the existing double track Strauss heel trunnion bascule span with a new double track vertical lift span. During the conceptual phase of the project, he developed the layout of the bridge for several bascule and vertical lift options and performed comparison of those options for constructability and cost. During the final design, he coordinated with BNSF, Contractor and Independent Cost Estimators as part of the CMGC process. He managed a design team that consists of nine disciplines and approximately 30 engineers during the final design.		
07/24-12/24	Flood Impacted BNSF Bridge 2001-518.9 Replacement over the Bog Sioux River, Sioux City, Iowa Project manager and the engineer of record responsible for construction support during the demolition of the existing bridge, conceptual evaluation of the replacement alternative and final design of the replacement of the existing bridge. Led the emergency response and replacement effort following the June 23, 2024, collapse of the BNSF bridge near Sioux City caused by extreme flooding. The incident had significant regional impacts on freight movement and local businesses. HNTB supported BNSF from the outset, providing construction support during demolition of the collapsed structure, leading the conceptual evaluation of replacement alternatives, and delivering the final design for the new bridge. The centerpiece of the replacement is a 175-foot-long through plate girder—the longest in BNSF's system—designed to meet both structural demands and an aggressive schedule. To expedite construction, HNTB delivered the steel design as an early package, enabling fabrication and erection to proceed without delay. The new pier foundation features large-diameter drilled shafts, ensuring long-term stability and resilience against future flood events.		
07/22-Present	Bridge 1750.9 over Skykomish River near Gold Bar, Washington Project manager and engineer of record for the project. The project involved evaluation and design of two alternatives: Alternative 1 - the existing foundation for reuse, replace more than 100 years old superstructure reaper clement with a 252-foot through truss and 100-foot deck plate girder spans. Alternative 2 - replace the existing bridge in an offline alignment. HNTB serves as the prime consultant to provide project management, structural design, H&H engineering, survey, develop construction sequence to minimize track outages and assist in USACE permit.		



16. Staff Experience:	
03/10-12/10	BNSF Bridge No. 204.66 over the Mississippi River, Burlington, Iowa Truss designer who assisted in preparing the final design plans and cost estimates of the approach spans, which consisted of six fixed trusses of 245-foot spans and two ballast deck plate girders. Also involved with the construction phase of the vertical lift span of the project and was on site to assist in drilled shaft construction. The new bridge is 2,146 feet long and replaces the old railroad bridge's swing span and approach spans, which were originally constructed in 1868. The existing superstructure was reconstructed in 1912. The new vertical-lift span increases capacity for rail and clearances for maritime traffic. HNTB completed an alternatives analysis, design coordination, permitting, geotechnical, hydraulic studies and construction documents for the replacement of six existing truss spans with new superstructure spans and foundations for BNSF.
02/10-11/13	CN Bridge 173.20 over the Fox River, Oshkosh, Wisconsin Lead design engineer for the project that involved the replacement of an existing swing span with a new single leaf rolling bascule through truss. Superstructure includes six deck plate girders, one track girder and a 147-foot single leaf rolling bascule span. During conceptual phase of the project, Mr. Medhi performed the rating of the existing 178-foot swing span and 148-foot through trusses as a part of the replacement concept report. The bridge was open to traffic (train and navigation) in the fall of 2013. He also served as the project engineer during the construction phase of the project.
03/09-07/11	CP Bridge 283.27 over the Mississippi River, La Crescent, Minnesota Lead design engineer for the design of a new single-track 330-foot vertical lift span that will replace an existing swing span under the Truman-Hobbs Act. Designed and detailed two approach trusses of 180-foot span, an open-deck TPG, 115-foot-tall tower system and counterweight, and carried out the balance calculation for the movable span. He also checked full-scale design plans of lift span truss and substructures. Construction efforts needed to accommodate a heavy schedule of trains, including 25 freight trains and two Amtrak trains per day. The team used 3-D visualization to demonstrate HNTB's ability to tackle the most significant design challenge: to replace the bridge without significant restriction to rail and marine traffic.
06/13-03/20	BNSF West Coast Bridges, Vader and Stephenson, Washington Engineer of record for BNSF Bridge 814. and 53.5 who served as the structural lead for the three bridges over Rock Creek 81.4, Little White Salmon River 53.5 and the Cowlitz River 66.4 during existing substructure evaluation, construction sequence, span layout study and preliminary design phase. He performed the bridge layout for the three bridges. Span types include trusses, deck plate girders and prestress spans. Foundation type consists of cap with drilled shafts and piles.
09/23-07/24	BNSF Bridge 0477-0109.70 Emergency Replacement over I-25, Pueblo, Colorado Project manager and the Engineer of Record. Led a multidisciplinary team in delivering expedited design and construction management services for the emergency reconstruction of a TPG span over I-25 near Pueblo, Colorado, following a derailment that caused severe damage to the existing structure. Under a highly compressed schedule, HNTB redesigned a 150-foot-long through plate girder (TPG) span into a skewed 90-foot span to accommodate existing foundation conditions. In addition to design, HNTB served as construction manager and provided inspection and coordination services both in the fabrication shop (AFCO, San Angelo, Texas) and in the field near Pueblo. The span was fully test-assembled in the shop, disassembled, transported to the site, reassembled, and erected using a SPMT during an 11-hour overnight closure of I-25.
06/10-08/12	P/DM&E Swing Bridge 140.24 (Z496) over the Mississippi River, Chicago Subdivision near Sabula, Iowa Lead designer who inspected, rated and designed safety improvements for one swing span (260 feet) and five through trusses (a camel back Pratt of 255 feet and four 215-foot Pratt trusses). This bridge was originally constructed in 1880 and the existing steel trusses were erected between 1905 and 1907. The bridge is 1,940 feet long with deck plate girder spans on each approach. The construction of the safety improvement phase of the project was completed in December 2011. Following this, HNTB developed a long-term plan to be carried out over the next 15 years, which includes detailed inspections, programmed member strengthening and rehabilitation and ultimately the replacement of the bridge. This long-term plan is designed to maximize the performance and remaining life of the structure without investing unnecessary funds into the existing bridge.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Dan Appelbaum, PE	Years of relevant experience with this employer	17
Title	Senior Project Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		MS / 2003 / Mechanical Engineering; BS / 2008 / Mechanical Engineering; BS / 2003 / Mathematics	
Active registration number / state / expiration date		#38362 / LA / 03-31-2026; #89100 / FL / 02-28-2027; #6201062290 / MI / 03-11-2026; #54681 / AZ / 0630-2028; #062069540 / IL / 11-30-2025; #55788 / WA / 03-02-2027	
Year registered	LA 2013, AZ 2013, FL 2020, IL 2017, MI 2015, WA 2018	Discipline	Mechanical Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Movable Design/Construction Engineering Support); MPR #5	
Dan has 18 years of experience designing mechanical systems for movable bridges. He joined HNTB in 2008 and is part of the movable bridge group where he has been involved with the design, inspection and construction of various highway and railroad movable bridge projects.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/17-06/18	Florida Avenue Electrical and Structural Repairs and Pinion Bearing Replacement, New Orleans, Louisiana Mechanical engineer who produced construction documents on an accelerated time line to replace a damaged pinion shaft bearing for this tower drive vertical lift, carrying both highway and rail traffic over the Industrial Canal. Also performed construction inspection of the pinion shaft removal, bearing removal and replacement, and reinstallation of the pinion shaft.		
04/12-08/16	Bayou Bienvenue Swing Bridge, St. Bernard Parish, Louisiana Mechanical engineer of record for the design of the machinery and hydraulic systems for this new bobtail swing span for USACE. Also provided construction engineering services.		
06/17-11/18	Ted Hickey Bascule Bridge, New Orleans, Louisiana Lead mechanical engineer for the detailed inspection of the mechanical systems of this double leaf bascule bridge over the Inner Harbor Navigation Canal. He provided element ratings and prioritized maintenance recommendations.		
03/17-01/18	Danziger Lift Bridge, New Orleans, Louisiana Lead mechanical engineer for the detailed inspection of the mechanical systems for tower drive vertical lift over the Inner Harbor Navigation Canal. He provided element ratings and prioritized maintenance recommendations.		
06/17-11/18	Judge Seeber (Claiborne Avenue) Lift Bridge, New Orleans, Louisiana Lead mechanical engineer for the detailed inspection of the mechanical systems of this tower drive vertical lift bridge over the Inner Harbor Navigation Canal. Provided element ratings and prioritized maintenance recommendations.		
06/17-11/18	LA 1 Lift Bridge, Lockport, Louisiana Lead mechanical engineer that performed the detailed inspection of the mechanical systems for this tower drive vertical lift span over the Company Canal. He provided element ratings and prioritized maintenance recommendations.		
06/17-11/18	Judge Perez Lift Bridge, Belle Chase, Louisiana Lead mechanical engineer for the detailed inspection of the mechanical systems for this tower drive vertical lift span over the Gulf Intracoastal Waterway. He provided element ratings and maintenance recommendations.		
05/14-06/18	Wells Street Bridge, Milwaukee, Wisconsin Mechanical engineer of record and mechanical engineer for inspection for the rehabilitation of the machinery of this towerless vertical lift bridge over the Milwaukee River.		
03/08-07/14	South Park Bascule Bridge, King County, Washington Mechanical engineer of record and mechanical engineer for design of the machinery for this new double leaf bascule located in a seismically active region. Performed shop drawing review and construction engineering		



16. Staff Experience:			
Firm employed by: Wiss, Janey, Elstner Associates, Inc.			
Name	John Williams, PE	Years of relevant experience with this employer	6
Title	Principal	Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization		BS / 1996 / Engineering Science	
Active registration number / state / expiration date		#44300 / LA / 09-30-2026	
Year registered	LA 2020	Discipline	Mechanical Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Movable Design/Construction/Engineering Support); MPR #5	
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).		
07/19-03/24	Danziger Lift Span Bridge, U.S. 90, over the Industrial Canal, New Orleans, Louisiana 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.		
01/20-07/20	St. Claude Avenue Bridge Construction Engineering Services, New Orleans, Louisiana 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, Massachusetts 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.		
03/22-01/24	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	Bridge No. G-05-028, Gloucester Line over Annisquam River, Gloucester, Massachusetts 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.		
07/19-12/24	Liberty Bridge Rehabilitation, Bay City, Michigan Lead mechanical engineer and Mechanical Engineer of Record for rehabilitation of all machinery associated with movable span for double leaf trunnion bascule highway bridge.		



16. Staff Experience:	
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	Asset Management Bridge Inspections, District 4 and District 5, Florida 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.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Paul Hunter, PE	Years of relevant experience with this employer	13
Title	Senior Project Engineer	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		BS / 1993 / Electrical Engineering	
Active registration number / state / expiration date		#45076 / LA / 03-31-2027; #16326 / CA / 03-31-2027; #6201062332 / MI / 03-11-2026; #29901 / MO / 12-31-2026; #18692 / OK / 04-30-2026	
Year registered	LA 2020, CA 2000, MI 2015, MO 1998, OK 1998	Discipline	Electrical Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Movable Design/Construction/Engineering Support); Bridge Engineering Services (Roadway Lighting); MPR #6	
Paul is an electrical engineer with experience in on numerous industrial, commercial, and municipal projects, performing voltage drop calculations, lighting level calculations for indoor and outdoor lighting, and fault current studies. He also has experience with programmable logic controllers, radio telemetry, and emergency generators.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/17-Present	Ballard Bridge (Bridge 6.3), Seattle, Washington Lead electrical engineer and engineer of record for the design of the electrical systems of this new double track span drive vertical lift over Salmon Bay, including the operator house. Also, he provided preliminary design of the electrical systems for a new double track single leaf rolling bascule.		
03/17-05/17	U.S. 90 over Atchafalaya River Bridge Inspection, St. Mary Parish, Louisiana Performed site investigation to determine existing condition for the existing navigation lights on the bridge and determine how to add additional fixtures. He developed plans to add the additional navigation lights and rehabilitation plans for the existing navigation lights This project involved adding marine navigation lighting to an existing bridge.		
08/17-09/17	LA 70 Pierre Part Bay Bridge Rehabilitation, Pierre Part Bay, Louisiana Inspector of the electrical systems of this hydraulic-operated swing span. He provided owner a report with a summary of findings, prioritized maintenance recommendations, and prepared repair cost estimates.		
03/17-01/18	Danziger Lift Bridge, New Orleans, Louisiana Lead electrical engineer for the detailed inspection of the electrical systems for tower drive vertical lift over the Inner Harbor Navigation Canal. He provided element ratings and prioritized maintenance recommendations.		
08/18-10/18	Ted Hickey Bascule Bridge, New Orleans, Louisiana Lead electrical engineer for the detailed inspection of the electrical systems of this double leaf bascule bridge over the Inner Harbor Navigation Canal. He provided element ratings and prioritized maintenance recommendations.		
06/17-06/18	Judge Perez Lift Bridge, Belle Chase, Louisiana Lead electrical engineer for the detailed inspection of the electrical systems for this tower drive vertical lift span over the Gulf Intracoastal Waterway. He provided a written report with element ratings and maintenance recommendations.		
02/18-12/24	Buck O'Neil Bridge, Kansas City, Missouri Engineer of record and provided quality review of the plans. The new bridge over the Missouri River caused the intersection at Broadway and 5th Avenue to be revised. The project also included the design of new traffic signals for the intersection.		
05/22-Present	95th Street Bascule Bridge, Chicago, Illinois Lead electrical engineer and engineer of record on the Phase I and II rehabilitation of the 95th Street Bascule Bridge over the Chicago River, including upgrades to the operator house electrical systems. The project includes removal of the outdated electrical control system and is being replaced by a more modern control system. The existing DC motors are being removed, rewound and reinstalled.		



16. Staff Experience:	
10/14-06/17	Jefferson Avenue Bascule Bridge Rehabilitation, Detroit, Michigan Lead electrical engineer and engineer of record responsible for electrical inspections for the rehabilitation of the historic Jefferson Avenue Bascule Bridge spanning the Rouge River that was damaged in a ship collision. HNTB's inspection and planning services included preparation of a Design Study Report to document the condition of the bridge and provide recommendations for rehabilitation/reconstruction. Paul prepared plans, specifications, a construction cost estimate, and documents so contractors could bid on the project in early 2015 and have the bridge operational by the end of that same year.
04/12-08/16	LPV 145 Swing Span Bridge at Bayou Bienvenue Floodgate, St. Bernard Parish, Louisiana Lead electrical engineer who performed an initial site survey to document existing conditions for this new single-lane bobtail swing span bridge. He was also involved with the preparation of the engineering plan for the bridge. The design included navigation lights, an existing generator, and the existing service for the sector gate. Control panels to operate the bridge were also provided on both sides of the channel. The project was built next to an existing sector gate dam.
10/16-12/17	Bridge Program, Chicago, Illinois Electrical engineer responsible for inspecting the electrical systems on 31 City of Chicago movable bridges. Services included completing electrical component inspection forms and preparing an electrical system inspection report for each bridge. He was responsible for the routine, fracture critical, underwater, element level and special feature inspections of 379 City of Chicago bridges. Services also included on-call engineering services, preparation of construction documents for emergency bridge repairs, load rating analysis for 30 bridges, value engineering studies, and the peer review of complex bridge designs. He also served as project manager/inspection team leader for a prior CDOT Bridge Program contract from 1999-2001. HNTB was the prime consultant and directed/coordinated the services of six sub-consultants and subcontractors.
11/13-03/16	LaSalle Bridge, Chicago, Illinois Lead electrical engineer responsible for inspecting the LaSalle Bascule Bridge. The electrical inspection was concurrent with a mechanical and structural inspection. The structural inspection was to determine major structural components that were to be repaired and replaced for rehabilitation. The electrical inspection determined the overall condition of the electrical system and identified electrical components that should be replaced for the bridge rehabilitation.

16. Staff Experience:			
Firm employed by: Wiss, Janney, Elstner Associates, Inc.			
Name	Gareth Rees, PE	Years of relevant experience with this employer	6
Title	Principal	Years of relevant experience with other employer(s)	52
Degree(s) / Years / Specialization		BS / 1968 / Electrical Engineering	
Active registration number / state / expiration date		#40754 / LA / 09-30-2026	
Year registered	LA 2016	Discipline	Electrical Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Movable Design/Construction/Engineering Support); Bridge Engineering Services (Roadway Lighting); MPR #6	
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).		
07/19-03/24	Danziger Lift Bridge, New Orleans, Louisiana 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, Louisiana 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 LADOTD bridges for evaluation for implementation statewide.		
04/20-12/24	Independence and Liberty Bascule Bridges, Bay City, Michigan 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, Ohio 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 for both the bridge and the operator house. 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.		



16. Staff Experience:	
04/13-10/19	Fort Madison Toll Bridge, Fort Madison, Iowa 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 house is located at roadway level and remote from the bridge, and Gareth designed the electrical systems for both the movable bridge and the operator house, including CCTV surveillance and fiber optic communications to the towers. The PLC-based control system was designed with Hot standby redundant PLC's, a human machine interface, 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 Roundbunch Road over Cow Bayou, Orange County, Texas 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.
01/14-12/14	Haystack Bascule Bridge over Petaluma River, Petaluma, California Engineer of record and lead electrical engineer for the relocation, rehabilitation, and reassembly of a single leaf rolling lift bascule railroad bridge. The designed bridge electrical systems consist of modern PLC logic control and flux vector variable frequency drives. The electric service and standby generator for bridge back-up power are located on one side of the navigable channel with the bridge operating system on the other. An under-channel installation was developed to connect the electric service equipment and associated communications to the bridge operating system. The system design included communications, fire life safety system design as well as the integration of the bridge operating system with the railroad train control.
06/18-06/19	Slough River Bridge 8.8, Portland, Oregon 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. Gareth's work included designing electrical systems for both the movable bridge and the operator house. 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.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Jesse Miguel, AIA, RA, NCARB, ENV SP	Years of relevant experience with this employer	39
Title	Senior Bridge Architect	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		M. Arch / 1986 / Architecture; BA / 1982 / Architecture	
Active registration number / state / expiration date		RA: #8222 / LA / 12-31-2025; #7896 / MA / 08-31-2027; #007650 / MO / 12-31-2026; #12160 / WA / 02-19-2027; #31556 / TX / 02-28-2026; #ARC40000526 / DC / 04-30-2026; #0401020180 / VA / 05-31-2027	
Year registered	LA 2015, MA 1989, MO 1996, WA 2017, DC 2023, VA 2023, TX 2024	Discipline	Architecture
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Bridge Architecture and Aesthetics)	
Jesse is a registered architect with professional design experience on transportation projects, including bridges, highways, transit, as well as architectural, planning and federal projects. He serves as senior bridge architect in HNTB's Kansas City office and is HNTB's national bridge practice leader on Bridge Architecture. Previously, he was the visualization team leader for HNTB's technology office, and was the project designer and architectural CADD coordinator for HNTB's Boston office.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/24-Present	Long Bridge North Project, Washington, D.C. Bridge architect of record, task lead for structures aesthetics; part of the progressive design build team of Skanska/Flatiron Joint Venture including JMT and HNTB for the north section, including expansion of the CSX rail line from Virginia to Washington, DC to four tracks as part of the \$2.3 billion Long Bridge Project for the Virginia Passenger Rail Authority. Responsible for the overall structure aesthetics of the north project including bridges and retaining walls and presenting concepts for stakeholder and signatories' review.		
09/19-10/19	I-10 and I-12 College Drive Flyover Ramps, Baton Rouge, Louisiana Created 3-D visualizations of the for the LADOTD, illustrating two alignments with views from I-12, from adjacent significant residential developments, and an overall aerial plan view to see impacts of the flyover options designed with a visual screening wall. The renderings were presented at a public hearing to see the impacts of the flyover bridges to their neighborhood and concerns of the proximity and height of the flyovers with their visual screening wall.		
08/18-08/18	Metairie Pedestrian Bridge, New Orleans, Louisiana Designed concepts for a proposed pedestrian over I-10 in Jefferson Parish section of New Orleans, selected to develop feasibility studies for this new pedestrian bridge.		
10/08-07/09	Huey P. Long Bridge Widening, New Orleans, Louisiana Directed and created the 3-D modeling and animation for the estimated \$982 million Huey P. Long Bridge in New Orleans, illustrating the animation sequence of a bridge widening and deck replacement, illustrating the lifting of the truss spans from the barges, stick built sequences, and the crane movement for installing secondary members.		
09/14-Present	Norwalk River Bridge Replacement, Norwalk, Connecticut Bridge architect of record for the replacement of an existing 100-year old four-track swing span bridge (part of the New Haven commuter line), to a new movable bridge. Currently under design selection of a preferred movable alternative. He is responsible for bridge aesthetics, visualization including programming, and design of the operator control house.		
01/06-04/06	Fort Polk Combined Arms Collective Training Facility, Fort Polk, Louisiana Architect who directed and created a 3-D visualization model of a proposed military training facility that will be used for simulated combat warfare exercises. The final deliverable will be a real-time computer simulation of the proposed facility design.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Travis Konda, PhD, PE, SE, CCM	Years of relevant experience with this employer	19
Title	Principal Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		PhD / Civil Engineering / 2004; MS / Civil Engineering / 2001; BS / Civil Engineering / 1998	
Active registration number / state / expiration date		PE: #48851 / MN / 06-30-2026; #2009001100 / MO / 12-31-2025; #E15260 / NE / 12-31-2025; #0061502 / CO / 10-31-2025; #0402064414 / VA / 11-30-2025 SE: #081007914 / IL / 11-30-2026	
Year registered	PE: IA 2016, MN 2011, MO 2009, NE 2014, CO 2022, VA 2021 SE: IL 2016, NE 2014	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Accelerated Bridge Construction)	
Travis is a practice consultant specializing in a unique combination of bridge -, design, construction and project delivery experience. Drawing upon his extensive background in structural engineering, Travis provides technical expertise – and solutions that save time and money – when reviewing complex construction plans, including shop drawings, falsework and erection plans. He takes a proactive, hands-on role in the field to represent the interests of the owner when coordinating with contractors. Applying his 10 plus years of direct bridge construction experience, he has led the HNTB ABC committee. He has also served as a design engineer on a wide range of challenging projects, including design of five arch bridges, two cable-stay bridges, multiple concrete girder structures, including post-tensioned box girders, prestress girders and complex curved and skewed steel plate girders. Travis currently serves as the chair of the Transportation Research Board Committee AFH40 – Construction of Bridges and Structures, where he leads a group of 26 volunteer members experienced in bridge design, fabrication and construction to identify research needs and attempt to secure support to investigate such items. Travis also serves as the ABC committee chairperson for HNTB's national bridge practice.			
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).		
03/20-11/21	Route 120 Bridge over Pimmit Run ABC Implementation, Arlington County, Virginia Structural engineer who performed a constructability review for the superstructure replacement of a three-span steel beam bridge using ABC techniques. As part of the review, Travis looked at the planned sequence, conflicts and revised several details to reduce the overall construction effort.		
11/12-03/17	Franklin Avenue Bridge Rehabilitation, Minneapolis, Minnesota HNTB's project construction engineer who served as an extension of Hennepin County oversight staff for the major rehabilitation of this historic concrete deck arch bridge originally constructed in 1923. Travis collaborated with the owner and contractor to develop the erection and falsework plans and the ABC schedule. He worked with fabricators to resolve geometric discrepancies in the shop drawings. During the 116-day ABC period, Travis inspected the ongoing work, including deck removal and replacement operations and solved unforeseen design conflicts. He proactively addressed and solved field-related discrepancies to keep the project on schedule and minimize delays and change orders. The Franklin Avenue Bridge rehabilitation was named 2016 Project of the Year by the American Public Works Association - Minnesota Section.		
03/23-Present	Route 681 (Walker Road) over Piney Run, Fairfax, Virginia HNTB provided Virginia Department of Transportation with an ABC design solution to replace an existing single lane rural bridge in a two week closure. The design consists prefabricated bridge elements for both the substructure and the super structure. Travis provided a senior technical review drawing upon his construction and past ABC project experience considering the planned sequence, task durations, element details and erection limitations. He worked closely with the designers to resolve identified challenges to minimize complexity in the field to maximize speed and quality construction.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Patrick Roth, PE	Years of relevant experience with this employer	13
Title	Project Manager	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		#41553 / LA / 09-30-2027; #28132 / MS / 12-31-2026	
Year registered	LA 2017, MS 2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Bridge/Structural Inspection & Evaluation of Existing Bridges)	
Patrick is project manager and National Highway Institute/FHWA certified team leader in HNTB's bridge group. He brings 17 years of structural and bridge engineering experience including the inspection, analysis, rehabilitation of existing structures and design of new bridges. Patrick is also experienced in construction management and has provided on-site services for bridge construction projects. As project manager/lead inspection team leader, he is responsible for planning, scheduling all personnel and equipment, coordinating with multiple agencies and managing teams in the field to ensure completion of the project with high quality, on time, on budget and to the client's satisfaction.			
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).		
03/16-Present	2016, 2019, 2021 and 2024 Retainer Contracts for NBIS Inspection of Complex Bridges, Statewide, Louisiana Project manager and team leader for the NBIS in-depth inspections of U.S. 190 Baton Rouge Mississippi River Bridge, I-310 Luling Mississippi River Bridge, LA 10 John James Audubon Mississippi River Bridge, U.S. 90 Greater New Orleans (GNO) Cantilever Truss Bridges, LA 23 Judge Perez Bridge, LA 1 Lockport Bridge, U.S. 90 Atchafalaya Mississippi River Bridge, I-10 Calcasieu River Bridge, I-10 Baton Rouge Mississippi River Bridge, U.S. 90 Danziger Bridge, Senator Ted Hickey Bridge and Claiborne Avenue Bridge. Bridge types inspected include cable-stayed, cantilever truss, movable, PPC girders, deck truss and steel trestle bents. Performed inspections of the cables, trusses and other bridge members high above the water have been performed using rope access inspectors, snooper trucks, aerial lifts and under-bridge movable platforms. Upon completion of the inspections, HNTB prepared inspection reports in accordance with LADOTD and FHWA requirements, as well as developed recommendations for maintenance and rehabilitation. Each inspection report includes inputting all inspection data and Specifications for the National Bridge Inventory (SNBI) updates into LADOTD's asset management system, InspectX.		
05/21-Present	Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas to Memphis, Tennessee Team leader for the emergency inspections of the back-to-back, 900-foot tied trussed arch bridge. These inspections resulted from the identification of a significant fracture in a section of the fracture critical tie girder, requiring immediate closure of the span to traffic and the Mississippi River to navigation traffic. HNTB assisted ArDOT with the review of repairs designed by the TDOT consultant. HNTB developed a structural model which demonstrated that there was no viable alternative load path and that the bridge should remain closed until repairs could be safely implemented.		
03/17-05/17	U.S. 90 over Atchafalaya River Bridge Inspection, St. Mary Parish, Louisiana Certified team leader and on-site project engineer performing construction engineering and inspection (CE&I) services for the bridge rehabilitation, as well as certified team leader for the NBIS in-depth inspection of the bridge to assist in the development of the rehabilitation plans. Duties as project engineer included answering requests for information (RFI), reviewing shop drawings and all contractor submittals, inspection of all structural construction activities, final acceptance inspection and QA, and assisting the LADOTD with closeout documentation.		
10/16-03/18	Bridge Load Rating Retainer, Statewide, Louisiana Inspection lead for the load rating of complex bridge structures in Louisiana. Bridge elements evaluated under this contract include vertical lift spans, pontoons, swing spans, continuous steel plate girders, prestressed girders, reinforced concrete beams, slab spans, pile bents, slab spans, and steel grid decks.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Lars Jensen, PE	Years of relevant experience with this employer	4
Title	Engineer II	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2021 / Civil Engineering	
Active registration number / state / expiration date		#50445 / LA / 03-31-2026	
Year registered	LA 2023	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Bridge/Structural Inspection & Evaluation of Existing Bridges)	
Lars serves as an engineer in HNTB's Baton Rouge office. He has four years of experience in in-depth bridge inspections as an IRATA-certified rope technician and inspection report writing. He also has experience in bridge superstructure load ratings.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/21-Present	Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas to Memphis, Tennessee Inspector and rope access technician for the in-depth, fracture critical emergency inspection of a tied arch bridge. Project included several types of NDT, paint removal, and rope access.		
09/21-11/21	LA 1 Over Louisiana Delta, Leeville, Louisiana Inspector for the post-hurricane trust indenture inspection of an elevated slab span, prestressed girder, and steel girder bridge. The inspection included walking over 8 miles of bridge deck and boat access to complete.		
12/21-Present	I-10 Over Lake Charles, Lake Charles, Louisiana Inspector and rope access technician for the in-depth inspection of a steel high truss (cantilevered through truss) bridge. Also provided special inspections on the substructure and superstructure rated as "Poor" to further look at areas of concern and provide repair recommendations		
08/22-Present	U.S. 90 Over Mississippi River, New Orleans, Louisiana Inspector and rope access technician for the in-depth inspection of a steel high truss (cantilevered through truss) bridge. Also provided special inspections on the superstructure rated as "Poor" to further look at areas of concern and provide repair recommendations.		
03/23-Present	U.S. 190 Over Mississippi River, Baton Rouge, Louisiana Inspector and rope access technician for the in-depth inspection of a steel truss railroad bridge. Utilized rope access techniques and railroad safety measures to complete inspection.		
11/21-01/22	I-10 Calcasieu Bridge Over Lake Charles, Lake Charles, Louisiana Inspector and rope access technician for the in-depth inspection of a steel high truss (cantilevered through truss) bridge. He utilized safe climbing and rope access to complete inspection.		
10/21-12/21	U.S. 84 Over Mississippi River, Natchez, Mississippi Inspector for the in-depth, fracture critical inspection of a five-span cantilever truss bridge. His tasks included training and operation of the manlift and snooper.		



16. Staff Experience:			
Firm employed by: Moffatt & Nichol, Inc.			
Name	Chace Hulon, PE, ADCI	Years of relevant experience with this employer	11
Title	Program Manager	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		BS / 2005 / Civil Engineering	
Active registration number / state / expiration date		#39701 / LA / 09-30-2027	
Year registered	LA 2015	Discipline	Civil
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Underwater Bridge Inspection)	
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).		
08/20-Present	Underwater Bridge Inspections, Statewide, Louisiana Project manager, dive supervisor, and NBIS team leader for the current five-year retainer contract to perform over 800 underwater bridge inspections throughout Louisiana, for a total of over 1500 bridges through all LADOTD underwater bridge inspection contracts combined. Level I, II, and III inspections of submerged elements were performed with nondestructive testing (NDT) devices and in accordance with the FHWA, Bridge Inspector's Reference Manual (BIRM), AASHTO MBE, current NBIS requirements, and LADOTD Bridge Inspection Manual (BIM). Bridge types included movable swing span bridges, bascule bridges, truss bridges, timber stringer bridges, cable-stayed bridges, single and multi-span bridges up to 8 miles in length. Managed the QA/QC plan and performed QC reviews as the confirming engineer on NBIS inspection reports. The diving inspections in large waterways were augmented with acoustic imaging technology to consistently monitor streambed changes and structural deficiencies over subsequent inspection cycles. Acoustic hydrographic surveying methods were performed using the HydroLite-TM, Kongsberg Mesotech MS 1000, and the Norbit Winghead i77 units deployed from a vessel. QINSy, Qimera, Applanix POSPac, MMS systems, and MatLab were used for accurate and repeatable post-processing and scour evaluations. Performed emergency underwater damage assessments while augmenting Sonar technology and advising on repair alternatives. Performed many emergency response damage assessments, including the recent allision of the Gross Tette (LA77) Bridge over the Port Allen Lock canal.		
03/20-Present	LADOTD IDIQ for Complex Bridge Inspection, Statewide, Louisiana Project manager and chief editor to develop the BIM (including off-system directives), the Coding & Field Guide. The redevelopment is a result of the recent NBIS changes in the Code of Federal Regulations (CFR) and the implementation of the SNBI. The Manual will be fully compliant with the FHWA SNBI Program Metrics in accordance with the published timeline. The Manual will be uniquely ordered systematically, with an appendix to store all vital updated forms for the Bridge Inspection Program. The Coding & Field Guide will be uniquely structured to operate on a field tablet. It will contain all essential documentation for any specific inspection type. The uniquely designed PDF allows for an exceptional navigation experience for quick referencing. Following delivery, acceptance, and publishing, training will be delivered to all Districts on the newly released BIM document. M&N has been retained for five years to provide critical updates following NBIS changes. He was also the project manager, rope access technician, and NBIS team leader to perform in-depth bridge inspections on complex movable and long-span bridges. Performed structural, mechanical, and electrical inspections of six movable bridges utilizing detailed, nondestructive, and laboratory testing methods with hand sketches. Utilized nondestructive examination methods (laser and acoustic) to analyze the rotational movement of an unstable pivot pier. Performed the inspections of two cable-stayed bridges with rope access techniques to inspect 208 cables between the two bridges, their Gensui Dampers, and anchorage systems. Performed two inspections of the I-10 Horace Wilkinson Bridge and two inspections of the GNO Bridges, which are cantilever truss bridges utilizing rope access techniques and rolling lane closures to minimize traffic impacts. Performed a fracture critical inspection of the Green Bridge, a steel tied arch in New Orleans, utilizing rope access and Unmanned Aircraft Systems (UAS) access techniques. Performed the inspection of the I-10 Bridge over the Calcasieu River in Lake Charles utilizing rope access on Nonredundant Steel Tension Members' and UAS access techniques on columns. The Skydio drone with DroneDeploy and 3-D Scan was used to capture an orthomosaic projection of the structure for digital twin models. Hands-on management and implementation of the QC review plan are vital to continued success.		



16. Staff Experience:	
06/17-12/20	Underwater Bridge Inspection of Large River Crossings, Statewide, Louisiana Project manager and dive team leader for a five-year-long, open-ended LADOTD retainer contract to perform underwater bridge inspections throughout Louisiana; the project involved inspection of 668 bridges. Level I, II, and III inspections of submerged elements were performed in accordance with the FHWA, BIRM, AASHTO MBE, current NBIS requirements, and LADOTD Engineering and Maintenance Directives. Bridge types included movable swing span bridges, bascule bridges, truss bridges, timber stringer bridges, cable-stayed bridges, single and multi-span bridges up to 8 miles in length. Also, managed the QA/QC plan and performed QC reviews as the confirming engineer on NBIS inspection reports. Acoustic imaging technology was used for bridges over large waterways with high-risk environmental conditions.
08/22-03/23	USACE Bridge and Waterfront Facility Inspection Services at US Army Garrison (USAG) Fort Polk, Leesville, Louisiana Project manager, dive supervisor, and quality assurance field engineer lead for inspection of 63 FHWA reportable structures in the Fort Polk inventory. Structure types included multi-beam reinforced concrete bridges, reinforced concrete pipe and box culverts, and corrugated metal arch bridges and pipe culverts. Water levels at four structures required an underwater inspection. These dives were completed by Moffatt & Nichol's Association of Diving Contractors International (ADCI) and EM385 compliant dive team. Scheduled the inspections through close coordination with Range Control and the Department of Public Works to avoid impacting the daily activities of the installation. Performed final quality assurance report reviews.
03/24-Present	2023 IDIQ Underwater Bridge Inspection, Statewide, Louisiana Project manager for a three-year retainer contract for Level I, II, and III underwater inspections of 72 bridges in MDOT Districts 4 and 5 in accordance with FHWA BIRM, AASHTO MBE, current NBIS requirements, and the MDOT PONTIS Inspection Manual for Bridges. Reviewed and evaluated critical structural conditions and communicated necessary actions for remedy. Responded within 24 hours to an emergency underwater bridge inspection request. Acoustic imaging techniques were utilized to identify structural deficiencies and determine the limits of scour.
08/20-Present	USACE Bridge and Waterfront Facility Inspections Services, Worldwide Project manager for the current five-year retainer contract to perform all types of NBIS bridge inspections on all types of bridges at installations throughout the world. Managed bridge and waterfront load rating tasks under this contract. All inspections incorporate some form of NDT for detailed data analysis. Performed a complex in-depth inspection and investigation with service life engineering of an 80-year-old concrete open wharf that included concrete core extraction, material testing, system health monitoring with 3-D models, a deterioration analysis, and a life cycle cost analysis.

16. Staff Experience:			
Firm employed by: Moffatt & Nichol, Inc.			
Name	Bryan Tyson, PE, ADCI	Years of relevant experience with this employer	5
Title	Structural Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		MS / 2010 / Civil Engineering ; BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		#43425 / LA / 03-31-2027	
Year registered	LA 2019	Discipline	Civil
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Underwater Bridge Inspection)	
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).		
07/23-Present	Underwater Bridge Inspection, Statewide, Louisiana Structural engineer and team leader for the current 5-year retainer contract to perform underwater bridge inspections throughout Louisiana for the LADOTD, including 100 percent visual inspections of submerged elements in accordance with National Bridge Inspection Standards requirements. Served as inspector for the underwater inspection of concrete, steel, and timber bridges.		
10/23-Present	Hollingshead Dock Inspection, Panama City, Florida Team leader and engineer diver for the underwater inspection of a steel bulkhead relieving platform built in the 1920s. Performed Level I, II, and III inspections of submerged elements in accordance with the American Society of Civil Engineers (ASCE) Underwater Investigations Standard Practice Manual and ASCE Waterfront Facilities Inspection and Assessment. QC review of the dock load, the existing structural configuration, and the inspection memo.		
03/24-Present	Underwater Bridge Inspection, Statewide, Mississippi Project manager and team leader for a one year retainer contract to perform underwater inspections throughout Mississippi for the MDOT, including 100 percent visual inspections of submerged elements in accordance with National Bridge Inspection Standards requirements. Served as inspector for the underwater inspection of concrete, steel, and timber bridges.		
09/23-10/23	North Carolina State Ports Authority Berths 3 & 4 WFI and Crane Rail Assessment, North Carolina Coordinated underwater inspection of Berths 3 and 4, including the development of inspection plans, and uploaded inspection notes. Inspection included steel bulkheads and concrete piles.		
08/22-08/22	Bulkhead and Dock Assessment, Key West, Florida Structural engineer and team lead for the above- and underwater inspection of a timber dock and steel bulkhead in Key West, Florida. Performed Level I, II, and III inspections of submerged elements in accordance with the ASCE Underwater Investigations Standard Practice Manual and ASCE Waterfront Facilities Inspection and Assessment.		
04/22-04/22	Santa Cruze Tsunami Inspection, Santa Cruze, California Structural inspection of the floating docks in a harbor following the 2022 volcanic eruption near Tonga and the tsunami that ensued. Inspection included concrete piles, dock floats, structural framing, and the inspection of the timber framing members on a fixed dock. Performed Level I, II, and III inspections of submerged elements in accordance with the ASCE Underwater Investigations Standard Practice Manual and ASCE Waterfront Facilities Inspection and Assessment.		
09/16-10/16	EBDG Galveston Bolivar Ferry Landing Repairs, Bolivar Peninsula, Texas Engineer diver on an above-water and below-water inspection of the marine facilities. Performed Level I, II, and III inspections of submerged elements in accordance with the ASCE Underwater Investigations Standard Practice Manual and ASCE Waterfront Facilities Inspection and Assessment.		



16. Staff Experience:	
09/15-01/18	Underwater Bridge Inspections, Statewide, Louisiana Structural engineer and dive team member for two out of ten tasks completed for this LADOTD five-year-long retainer contract to perform underwater bridge inspections throughout Louisiana. Provided Level I, II, and III inspections of submerged elements in accordance with the FHWA, BIRM, AASHTO MBE, current NBIS requirements, and LADOTD Engineering and Maintenance Directives. Bridge types included movable swing span bridges, bascule bridges, truss bridges, timber stringer bridges, cable-stayed bridges, single and multi-span bridges up to 8 miles in length. Assisted with the preparation of NBIS inspection reports. During the two tasks, provided inspection of more than 45 concrete, steel, and/or timber bridges. Included emergency evaluations utilizing underwater acoustic imaging. The second task involved bridges over large waterways with high-risk environmental conditions. Also, provided NBIS inspection reports.
05/16-07/16	Port Freeport Underwater Inspection of Berths 1, 2, 3, 5 & 7, Freeport, Texas Team lead and structural engineer for the underwater inspection of approximately 3100 linear feet of steel bulkhead. Performed Level I, II, and III inspections of submerged elements in accordance with the ASCE Underwater Investigations Standard Practice Manual and ASCE Waterfront Facilities Inspection and Assessment.
06/17-11/18	Underwater Bridge Inspection of Large River Crossings, Statewide, Louisiana Structural engineer and diver for two tasks under a five-year, open-ended retainer contract to perform underwater bridge inspections throughout Louisiana. Served as inspector and team leader. Provided Level I, II, and III inspections of submerged elements in accordance with the FHWA, BIRM, AASHTO MBE, current NBIS requirements, and LADOTD Engineering and Maintenance Directives. Bridge types included movable swing span bridges, bascule bridges, truss bridges, timber stringer bridges, cable-stayed bridges, single and multi-span bridges up to 8 miles in length. Assisted with the preparation of NBIS inspection reports. During the two tasks, provided inspection of 41 major bridges over large waterways with deep foundation and dynamic channel conditions.

16. Staff Experience:			
Firm employed by: Moffatt & Nichol, Inc.			
Name	Jeffrey Gazarek, ADCI	Years of relevant experience with this employer	10
Title	Safety Manager	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		Commercial Diving with Concentration in Subsea Inspection / 2005 / Divers Institute of Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Underwater Bridge Inspection)	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/21-Present	Underwater Bridge Inspections, Statewide, Louisiana Safety manager, engineering technician diver, and team leader for the current five-year retainer contract 2020-2025 to perform underwater bridge inspections throughout Louisiana. Level I, II, and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements, and LADOTD requirements.		
06/17-12/20	Underwater Bridge Inspections and Underwater Acoustic Imaging, Statewide, Louisiana Safety manager, engineering technician diver, and dive supervisor for the five-year retainer contract 2017-2021 to perform underwater bridge inspections throughout Louisiana. Level I, II, and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements, and LADOTD requirements. Acoustic imaging techniques were used to identify structural deficiencies and determine the limits of scour, to perform emergency underwater investigations, and to inspect bridges over high-risk waterways.		
11/15-03/17	Underwater Bridge Inspections, Statewide, Louisiana Site safety specialist, engineering technician diver, and team leader for the five-year retainer contract 2012-2017 to perform underwater bridge inspections throughout Louisiana. Level I, II, and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements, and LADOTD requirements.		
03/20-04/20	In-Depth Bridge Inspections, Statewide, Louisiana Engineering technician diver, dive supervisor, sonar specialist, site safety specialist, and senior dive supervisor for the current five-year retainer contract (2019-2024) to perform in-depth bridge inspections on complex and movable bridges throughout Louisiana. As the primary subconsultant to HNTB, M&N is performing complete in-depth inspections (fulfilling both routine and fracture critical inspection types) as a quality assurance measure for the District personnel for the Headquarters Bridge Inspection Office. Level I, II, and III inspections of submerged elements in accordance with the FHWA, BIRM, AASHTO MBE and BEIM, current NBIS requirements, and the LADOTD BIM will be required as needed. Bridge types include cantilever trusses, segmental concrete box girders, movable swing span bridges, bascule bridges, cable-stayed bridges, and bridges of various configurations with timber elements.		
03/24-Present	2023 IDIQ Underwater Bridge Inspection, Jackson, Louisiana Safety manager responsible for the review and approval of dive and field safety plans for specialty access projects, both above and below-water. This includes oversight of diving operations, rope access, fall protection, mobile elevated work platforms, and confined space safety.		
10/22-10/22	USACE Bridge Inspection Services at USAG Fort Polk, Leesville, Louisiana Project safety manager and inspection team member responsible for field inspections and safety oversight. This task order covered the inspection of 63 bridges and the preparation of reports per NBIS and USACE procedures. Field inspections required extensive coordination with the Directorate of Public Works (DPW) and range control to avoid affecting base operations. Four bridges required an underwater inspection. Duties included pre-site visit, dive plan and safety plan review, and on-site bridge inspection.		



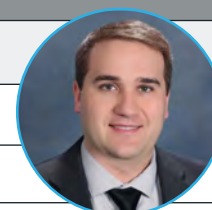
16. Staff Experience:			
Firm employed by: Moffatt & Nichol, Inc.			
Name	Christopher Eschenbach, ADCI	Years of relevant experience with this employer	7
Title	Engineering Technician Diver	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		Associate of Science / 2015 / Welding Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Bridge Engineering Services (Underwater Bridge Inspection)	
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).		
07/21-Present	Underwater Bridge Inspections, Statewide, Louisiana Engineering technician diver responsible for maintaining the diving and inspection equipment, planning and preparing all necessary tools and information, providing field notes and observations, and writing reports. Provides routine maintenance of the inspection equipment and proper record keeping, uses the manufacturer's recommendations to maintain high standards for our inspections, and ensures that the industry standards are met before anything is used. Identifies the inspection locations for planning and preparation, reviews previous inspection data, identifies the proper lodging and safety accommodations, confirms tools are available for use, and confirms that safety concerns are addressed. Provides field notes and observations of the field data collection process, using a diver or non-diving inspector, and taking photos, video, or using acoustic imaging to collect data. Assists in the report development process and the rounds of QA/QC.		
09/19-03/20	2017 NBIS Underwater Bridge Inspection Retainer Contract, Statewide, Louisiana NBIS inspector for the current five-year retainer contract to perform Levels I, II, and III underwater bridge inspections in accordance with NBIS and AASHTO Manual for Bridge Element Inspection. Completed underwater inspection fieldwork, inspection reports, and quality control reviews. Underwater acoustic imaging techniques were used to locate structural deficiencies, identify potential undermining, observe the limits of scour, and document the limits of riprap installations.		
04/24-Present	2023 IDIQ Underwater Bridge Inspections, Statewide, Mississippi Engineering technician diver responsible for maintaining the diving and inspection equipment, planning and preparing all necessary tools and information, and providing field notes and observations. Maintaining the inspection equipment entails routine maintenance, proper record keeping, using the manufacturer's recommendations to maintain high standards for our inspections, and ensuring that the industry standards are met before anything is used. Planning and preparation have included the tools that are available for use and that all safety concerns are addressed. Providing field notes and observations using a diver or a non-diving inspection and taking photos or video.		



16. Staff Experience:			
Firm employed by: Wiss, Janney, Elstner Associates, Inc.			
Name	Jonathan McGormley, PE	Years of relevant experience with this employer	31
Title	Principal	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		MS / 1994 / Civil Engineering, ; BS / 1992 / Civil Engineering	
Active registration number / state / expiration date		#43912 / LA / 03-31-2026 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); ATSSA Traffic Control Technician Training/ TC Supervisor Training	
Year registered	LA 2019	Discipline	Civil
Contract role(s) / brief description of responsibilities		Sampling, Instrument, Non-Destructive Testing (Bridge Instrumentation Non-Destructive Testing)	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
12/22-08/25	T-1 Steel Weld Assessment, Louisiana 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 U.S. 90 at Atchafalaya River (Morgan City).		
12/21-Present	Jefferson St. Bascule Bridge Rehabilitation, Joliet, Illinois 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.		
07/19-07/22	Danziger Lift Span Bridge, U.S. 90, over the Industrial Canal, New Orleans, Louisiana Project manager responsible for overseeing the inspection of portions of the 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 bridge's long-term functionality and reliability. Oversaw 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. Assisted with development of plans and specifications to address emergency repairs including the installation of polyester polymer concrete lift span orthotropic deck overlay repairs, 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. Bridge monitoring is ongoing.		
05/19-08/19; 08/20-Present	I-255 Jefferson Barracks Bridge over the Mississippi River, Emergency Repairs, Mehlville, Missouri Project manager responsible for emergency repairs and subsequent rehabilitation repair design. Following the discovery of a 6-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 with construction ongoing.		
03/21-12/23	Luling Bridge Deck Overlay Repair Consultation, St. Charles Parish, Louisiana 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.		
02/19-Present	U.S. 90 over Bayou Ramos, St. Mary Parish, Louisiana Project manager leading the investigation of delayed end cracking of 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.		



16. Staff Experience:			
Firm employed by: Wiss, Janney, Elstner Associates, Inc.			
Name	Curtis Schroeder, PhD, PE, SE	Years of relevant experience with this employer	6
Title	Supervisor-Other	Years of relevant experience with other 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		PE: #44013 / WI / 07-2026 SE: 081.008638 / IL / 11-2026 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	
Year registered	PE: WI 2015; SE: IL 2021	Discipline	Civil
Contract role(s) / brief description of responsibilities		Sampling, Instrument, Non-Destructive Testing (Bridge Instrumentation Non-Destructive Testing)	
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-Present	Chicago Skyway, Stony Island Anchor Bolt Inspection and Analysis, Chicago, Illinois 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, Indiana 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-Present	ST-1 Steel Weld Inspections on Four Bridges, Missouri 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	SI-57 over Mississippi River, Cairo, Illinois 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.		
11/21-Present	Susquehanna River Railroad Bridge, Havre de Grace, Maryland 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.		
08/21-10/21	Black Hawk Bridge, Lansing, Iowa 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, Tennessee 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.		



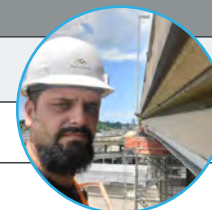
16. Staff Experience:			
Firm employed by: Wiss, Janney, Elstner Associates, Inc.			
Name	Nathaniel Rende, PE, SE	Years of relevant experience with this employer	20
Title	Principal	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS/ 2005 / Structural Engineering; BS / 2004 / Civil Engineering	
Active registration number / state / expiration date		PE: # 22184 / IA / 12-2025; #201602288 / MO / 12-2026; #89268 / FL / 02-2027; #20614-0 / HI / 04-2026; #6201314962 / MI / 03-2027 SE: #081-007243 / IL / 11-2026	
Year registered	PE: IA 2014, MO 2016, FL 2020, HI 2023, MI 2025 SE: IL 2012	Discipline	Civil
Contract role(s) / brief description of responsibilities		Sampling, Instrument, Non-Destructive Testing (Bridge Instrumentation Non-Destructive Testing)	
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).		
11/24-03/25	Iams Hill Road over Tenmile Creek, Truss Bridge Steel Evaluation, Marianna, Pennsylvania 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-Present	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.		
03/18-10/18	Henry Hudson Bridge Deck Assessment, New York, New York 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.		



16. Staff Experience:			
Firm employed by: KGC Environmental Services, Inc.			
Name	Kevin Guth, DrPH, CIH, PMP	Years of relevant experience with this employer	27
Title	Principal	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		Doctor of Public Health (DrPH) / 2020 / Chemical Risk Assessment/Toxicology; MSPH / 1996 / Industrial Lead Based Paint	
Active registration number / state / expiration date		CIH: #10438 / 06-30-2028 PMP: #2019290 NACE CIP: #50841 / 04-08-2028	
Year registered	2017, 2013, 2009	Discipline	Certified Industrial Hygienist
Contract role(s) / brief description of responsibilities		Sampling, Instrument, Non-Destructive Testing (Painting/Coating, Testing, Sampling)	
Kevin will provide leadership and oversight of all aspects of the project. He will lead the scope areas that include project management, coordination, and project reporting. Kevin will provide quality assurance oversight of all environmental testing and coatings material and field coatings assessments. Kevin has been performing coatings assessments and related services including industrial hygiene and environmental services for over the past 30 years. His expertise extends to assessing both personal and ambient exposures through air monitoring during paint removal and maintenance operations on various infrastructure such as bridges, water towers, and dams. He has demonstrated his coatings assessment proficiency by assessing and testing bridge coatings on numerous Mississippi River bridges including the Huey P. Long in New Orleans, Crescent City Connection (both bridges), Sunshine, Baton Rouge I-10, and the Natchez Vidalia as examples. Dr. Guth also has assessed the bridge coating system on numerous interstate overpasses for LADOTD.			
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).		
04/19-10/22	U.S. 90 Atchafalaya River Bridge Rehabilitation, St. Mary Parish, Louisiana Principal/environmental project manager who oversaw comprehensive air sampling, soil analysis, and water quality testing. Ensured contractor's adherence to industry environmental standards and regulatory requirements while delivering precise and actionable insights for clients.		
10/20-07/21	St. John the Baptist Parish, Louisiana Principal/coatings team leader who directed a team responsible for industrial coatings assessments for 16 elevated water towers (interior/exterior). Oversaw project planning, execution, and quality assurance to ensure compliance with safety standards and client specifications. Provided leadership and guidance to team members, fostering a collaborative and efficient work environment to meet project deadlines and deliver exceptional results.		
02/18-08/19	I-10 Clean, Paint and Miscellaneous Repairs, Baton Rouge, Louisiana Principal/environmental project manager who oversaw comprehensive air sampling, soil analysis, and water quality testing. Ensured contractor's adherence to industry environmental standards and regulatory requirements while delivering precise and actionable insights for clients.		
12/17-08/18	I-20 Overpass Rehabilitation, Bossier City, Louisiana Principal/environmental project manager who oversaw comprehensive air sampling, soil analysis, and water quality testing. Ensured contractor's adherence to industry environmental standards and regulatory requirements while delivering precise and actionable insights for clients.		
08/16-10/17	U.S. 90 Huey P. Long Bridge Clean and Paint, Bridge City, Louisiana Principal/environmental project manager who oversaw comprehensive air sampling, soil analysis, and water quality testing. Ensured contractor's adherence to industry environmental standards and regulatory requirements while delivering precise and actionable insights for clients.		
12/15-06/17	U.S. 90 Over Mississippi River Bridge (GN02) Structural Repairs and Spot Painting, New Orleans, Louisiana Principal responsible for paint sampling for heavy metals analysis, proper procedures for treatment, handling and disposal of wastes.		



16. Staff Experience:			
Firm employed by: KGC Environmental Services, Inc.			
Name	Chris Price	Years of relevant experience with this employer	13
Title	Senior Environmental Professional	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		BS / 2010 / Business Administration	
Active registration number / state / expiration date		SSPC C-3 / C-5 / 09-2026; #50841 / NACE - Coatings, Level 3 / 04-2028	
Year registered	2022, 2025	Discipline	NACE - Coatings Inspector Level 3
Contract role(s) / brief description of responsibilities		Sampling, Instrument, Non-Destructive Testing (Painting/Coating, Testing, Sampling)	
Chris has many years of LADOTD experience working as an environmental monitor/coating inspector on painting and rehabilitation projects. Chris has worked on 10 major LADOTD lead removal bridge repainting projects since 2010. He has also worked on other Departments of Transportation, US Army Corps of Engineers and private railroad repainting and rehabilitation projects. He will provide sampling, instrumentation, and non-destructive testing services. He will also evaluate the protective coating material samples for determination of compatibility with proposed coatings, analysis for heavy metals, procedures for treatment, handling, disposal of waste. He will provide general coatings assessment services.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/19-10/22	U.S. 90 Atchafalaya River Bridge Rehabilitation, St. Mary Parish, Louisiana Conducted on-site environmental monitoring, encompassing air sampling for lead, as well as soil and water sampling and analysis. Oversaw contractor's implementation of proper procedures for waste treatment, handling, and disposal		
10/20-07/21	St. John the Baptist Parish, Louisiana NACE certified bridge coating inspector who performed a comprehensive coatings evaluation of the 16 water towers to determine the condition of the existing coatings and recommended alternatives for coating rehabilitation. Scope also included comprehensive sampling of the existing coating system for the presence of heavy metals.		
02/18-08/19	Route I-10 Clean, Paint and Miscellaneous Repairs, Lafayette, Louisiana Conducted on-site environmental monitoring, encompassing air sampling, as well as soil and water sampling and analysis. Oversaw contractor's implementation of proper procedures for waste treatment, handling, and disposal.		
12/17-08/18	I-20 Overpass Rehabilitation Bossier City, Louisiana Conducted on-site environmental monitoring, encompassing air sampling, as well as soil and water sampling and analysis. Oversaw contractor's implementation of proper procedures for waste treatment, handling, and disposal.		
08/16-10/17	U.S. 90 Huey P. Long Bridge Clean and Paint, Bridge City, Louisiana Conducted on-site environmental monitoring, encompassing air sampling, as well as soil and water sampling and analysis. Oversaw contractor's implementation of proper procedures for waste treatment, handling, and disposal.		
08/13-08/13	Natchez Vidalia Bridge, Natchez, Mississippi Coatings inspector who performed a comprehensive coatings evaluation of the entire bridge to determine the condition of the existing coatings and recommended alternatives for coating rehabilitation of this major Mississippi River Bridge crossing to provide continued corrosion protection for the structure. Scope also included comprehensive sampling of the existing coating system for the presence of heavy metals.		

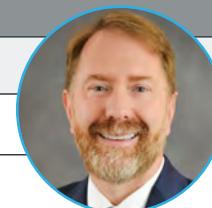


16. Staff Experience:			
Firm employed by: Forte & Tablada, Inc.			
Name	Brent Campbell	Years of relevant experience with this employer	13
Title	Group Leader - Advanced Measurements	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2013 / Construction Management	
Active registration number / state / expiration date		#3956975 / N/A / 10-23-25	
Year registered	N/A	Discipline	FFA Certified Remote Pilot
Contract role(s) / brief description of responsibilities		Sampling, Instrument, Non-Destructive Testing (Advanced Measurements/Scanning)	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/21-12/22	I-10 Calcasieu River Bridge (HBI), Calcasieu Parish, Louisiana Group leader responsible for Mobile LiDAR acquisition and Mobile LiDAR extraction efforts. Project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. F&T 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. 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.		
01/23-01/24	Livingston Parish Line, East Baton Rouge Parish, Louisiana Group leader responsible for management and QA/QC of performing Mobile LiDAR and extraction for project providing topographic survey. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements. Mobile LiDAR was utilized, throughout the project, as a means to obtaining topographic data without endangering surveyors.		
10/18-05/19	Sunshine Bridge Repair, St. James Parish, Louisiana 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. Major role in this project was creating a set of plans to document the damage on this bridge. These plans contained detailed information on structural strain and inconsistencies from the original plans. 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.		
11/19-12/20	Calcasieu River Bridge INT Repairs, Calcasieu Parish, Louisiana Group leader responsible for the management and QA/QC 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, performed mobile LiDAR for future planning.		
01/16-02/18	I-49 Connector, Lafayette Parish, Louisiana LiDAR technician 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. F&T completed terrestrial LiDAR scanning services for much of the congested corridor as a means of obtaining topographic data without endangering surveyors.		
06/19-09/19	Danziger Bridge Repair, New Orleans Parish, Louisiana 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.		



16. Staff Experience:	
10/19-10/20	Inspection of Metal Culverts, Statewide, Louisiana 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.
01/18-06/19	I-10 LA 415 to Essen Lane to I-10 and I-12- East and West Baton Rouge Parishes, Louisiana 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 four survey firms to complete the work on schedule.
05/17-10/18	Belle Chasse Bridge and Tunnel (HBI), Plaquemines Parish, Louisiana Project manager overseeing Terrestrial LiDAR and Hydrographic Survey efforts for comprehensive topographic surveying for the Belle Chase Bridge and Tunnel Replacement project for LADOTD. 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.
03/21-12/21	MOVEBR Florida Boulevard Corridor Enhancement, East Baton Rouge Parish, Louisiana 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.
10/12-03/13	I-10 Highland to LA 73, East Baton Rouge and Ascension Parishes, Louisiana 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 miles to widen the interstate. Terrestrial LiDAR was utilized on all bridges as a means to obtaining topographic data without endangering surveyors.
10/22-12/22	Lafayette Streetscape Survey Congress Street, Lafayette Parish, Louisiana Group leader responsible for planning and execution of performing Mobile LiDAR and extraction 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.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Brian Powell, PE	Years of relevant experience with this employer	21
Title	Sr. Geotechnical Engineer/Squad Leader	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		MS / 2007 / Civil Engineering (Geotechnical); BS / 2002 / Civil Engineering	
Active registration number / state / expiration date		#41551 / LA / 09-30-2027	
Year registered	LA 2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Geotechnical Services (Geotechnical Engineering); MPR #9	
Brian is experienced in developing work scopes, managing subsurface investigations, design, plans and preparing specifications for geotechnical aspects of transportation, bridge, railway, aviation, architectural, environmental and water infrastructure projects. His design experience includes pavement, levees, embankments and floodwalls, temporary and permanent earth retention systems, settlement, slope stability, seepage and cutoff, shallow and deep foundations, lightweight fill, soil improvement and geosynthetics.			
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).		
08/15-Present	LA 1 Leeville to Golden Meadow Phase 2, Leeville, Louisiana Geotechnical task lead for the Phase II floodwall design at the Larose to Golden Meadow levee system that required a 408-permit review with the USACE. The project included the construction of 9 miles of bridge from Leeville to Golden Meadow. Geotechnical tasks included T-wall-type floodwall design and foundation support, seepage cutoff, and global stability analyses according to USACE Hurricane Storm Damage and Risk Reduction System design guidelines with a 3-D settlement analysis to estimate floodwall subsidence. Oversaw pile production driving and dynamic testing documentation for Phase 2E.		
01/19-Present	I-10-Loyola Interchange Design-Build Owner Verification, Jefferson Parish, Louisiana Senior geotechnical contributor for the design-build Owner's Verifier CEI support services contract. Responsibilities include review of design reports, design criteria, adherence to the performance-based specifications and constructability of Design-Builder's progress submittals of this critical interchange connecting I-10 and Loyola Ave through the local urban communities and downtown New Orleans to the Louis Armstrong New Orleans International Airport terminal expansion.		
01/18-06/19	LA 23 Belle Chasse Bridge and Tunnel Replacement Public-Private Partnership (P3), Belle Chasse, Louisiana Geotechnical technical procurement team member on this alternative delivery bridge and tunnel replacement project, tasked with the development of technical procurement documents. This P3 project, the first of its kind in Louisiana, will replace two obsolete highway facilities with one new fixed-span bridge.		
12/17-08/21	I-20 Eastbound Flyover at I-55 Bridge Replacement, Hinds County, Mississippi Geotechnical task lead for the design and development plans and specifications for the approximate 1,800-foot proposed bridge with a span over the ICRR corridor. He was responsible for the geotechnical subsurface exploration drilling plan, management and findings, estimated geotechnical design soil parameters, deep foundation shaft analyses and recommendations including bi-directional load test plans, settlement analysis at proposed embankment fill locations, slope stability analyses of existing fill slopes requiring H-pile reinforcement, permanent cantilevered sheet pile retaining wall analysis, temporary shoring, and construction recommendations. He is also providing engineering support during advertisement and construction.		
03/20-Present	West Shore Lake Pontchartrain 109 Levee and Floodwall Design, St. John the Baptist Parish, Louisiana Senior geotechnical engineer task lead for approximately one mile of earthen levee embankment and T-wall type floodwall for nine pipeline crossings. Design consists of the development of strength and consolidation design parameters, earthen levee embankment design, including slope stability, settlement and seepage. The T-Wall design includes pile capacity analyses, group settlement, downdrag and settlement induced bending evaluations. Also, the T-Wall tie-in design includes preloading and wick drains.		



16. Staff Experience:	
07/19-Present	Comite River Diversion, Bayou Baton Rouge Drop Structure Rock Chute, Bridge, and Pump Station, East Baton Rouge Parish, Louisiana Senior geotechnical engineer task lead and HNTB project manager responsible for geotechnical design and management of scour countermeasure and pump station design for approximately 4,000 feet of a 50-foot-deep by 300-foot-wide diversion channel, 2,500 feet of rock chute drop structure and temporary bypass channels, Carney Road bridge PPC pile foundation and 1.5 cubic feet squared submersible pump station. The environmental pump station was required for recharge of downstream Bayou Baton Rouge. Geotechnical design included pile foundations and preload analyses, downdrag evaluation, channel slope stability, temporary retaining structure design and excavation dewatering evaluations.
02/20-Present	MoveEBR New Capacity Improvements Projects, East Baton Rouge City-Parish, Louisiana Senior geotechnical engineer responsible for technical oversight for 40 planned MoveEBR roadway improvement projects including providing additional capacity on existing routes or new routes through greenfields in East Baton Rouge Parish. Mr. Powell was responsible for developing project geotechnical and pavement design guidelines in accordance with LADOTD requirements, review of scope and fee for design proposal, and review of technical geotechnical and pavement submittals for conformance with program design criteria for development of construction documents.
03/21-Present	Gordon Country Club Dam Evaluation Study, Paris, Texas Senior geotechnical engineer responsible for performing geotechnical tasks as part of a hydrologic study to estimate flood magnitudes and hydraulic capabilities of the Gordon Lake Country Club Dam and to develop preliminary action plans and proposed improvements. He is responsible for data collection, site visit and senior technical review for alternative analysis recommendations.
09/19-Present	Kansas City Levees, Kansas City, Missouri and Kansas Senior geotechnical engineer responsible for design guidance, senior technical reviews and constructability reviews for 17 miles of levee and floodwall raise for the Armourdale and Central Industrial District levee units. The \$453 million construction project protects over \$9.5 billion in infrastructure. The design includes new earthen levee alignments and raises to existing earthen levee alignments, new floodwall and modifications to existing floodwall, gate wells, utility relocations, stoplog closures, sandbag closures, and pump station abandonments. The project also includes extensive railroad coordination.
07/18-04/19	U.S. 90 over LA-14 Bridge Reconstruction, Iberia Parish, Louisiana Geotechnical engineer on the replacement of U.S. 90 over LA-14 that included drilled shaft construction and MSE walls. The proposed two-span bridge will carry U.S. 90 traffic and is designed to be supported on drilled shaft foundations with Mechanically Stabilized Earth (MSE) walls at the approach embankments. Mr. Powell geotechnical engineering tasks included substructure design of deep foundations for the new bridge over LA 14 including drilled shafts and steel H-piles as well as the MSE wall design and settlement calculations.
07/18-04/19	LA-532 over I-20 Bridge Replacement, Webster Parish, Louisiana Geotechnical engineer for an off-alignment bridge replacement with an accelerated design and plan development schedule. Geotechnical tasks included the design for drilled shaft foundations and the development of bi-directional load tests.
01/18-10/18	I-20 Eastbound Bridge at I-55 South, Hinds County, Mississippi Geotechnical engineer responsible for review of original design and geotechnical investigation, additional drilling program as well as the design the of the bridge foundation, temporary and permanent shoring, embankment settlement analysis, slope stability, including H-Pile stabilization.
07/17-09/20	Plaquemines Parish Jesuit Bend 100-Year Levee Enlargement, Plaquemines Parish, Louisiana Geotechnical engineer responsible for the design and development of plans and specifications of levee enlargement for the hurricane back levee Jesuit Bend Polder, Oakville to Alliance.

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Jared Sommers, PE	Years of relevant experience with this employer	13
Title	Senior Geotechnical Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2012 / Civil Engineering; BS / 2007 / Mathematics	
Active registration number / state / expiration date		#40978 / LA / 03-31-2027	
Year registered	LA 2016	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Geotechnical Services (Geotechnical Engineering)	
Jared is a geotechnical project engineer experienced in developing work scopes, managing subsurface investigations, design, plans, and preparing specifications for geotechnical aspects of transportation, bridge, railway, aviation, architectural, environmental and water infrastructure projects for private sector, municipal, state and federal clients. He has engineering experience in Louisiana, Mississippi, Texas, Arkansas, Missouri and Iowa. His expertise includes levees, embankments, floodwalls, settlement, slope stability, seepage and deep foundations.			
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-Present	I-10 Calcasieu River Bridge Replacement, Calcasieu Parish, Louisiana Geotechnical subject matter expert for the I-10 Calcasieu River Bridge Replacement project. Geotechnical engineer led a team of engineers to review reports, plans, and specifications relating to the bridge replacement project through all phases of the project.		
03/24-Present	Off-System Bridge Program, Louisiana Geotechnical engineer responsible for the design of 13 off system bridges across East Baton Rouge Parish. Responsibilities consisted of pile tip determination, required nominal pile resistance, slope stability, settlement and bearing capacity as well as sheet pile wall design.		
09/20-03/21	LA-1 over Caddo Lake Bridge Replacement, Caddo Parish, Louisiana Geotechnical engineer for an off-alignment bridge replacement. Geotechnical tasks included foundation design using precast, prestressed concrete piles, drivability, approach embankment settlement calculations, and slope stability.		
07/18-06/20	Comite River Diversion U.S. 61 and KCS Railway Bridges and Shoofly Design, East Baton Rouge Parish, Louisiana Geotechnical engineer responsible for the Comite River Diversion drilling program, stability design and bridge foundations for the new KCS Railway and US 61 bridges over the Comite river diversion project. Foundations included PPC piles, steel pipe piles and drilled shafts up to 12 feet in diameter.		
02/19-12/19	U.S. 80 Bridge Replacement over the Kansas City Southern Railroad, Rankin County, Mississippi Geotechnical engineer tasked with quality control of the deep foundation shaft analyses and recommendations including bi-directional load test plans, temporary shoring design, settlement analysis and slope stability analysis. The project consisted of the replacement of a two-lane northwest bound bridge and a two lane southeast bound bridge northwest of I-20. The proposed bridges were designed to be founded on drilled shafts in unique soil conditions.		
07/18-04/19	U.S. 90 over LA-14 Bridge Reconstruction, Iberia Parish, Louisiana Geotechnical engineer on the replacement of U.S. 90 over LA-14 that included drilled shaft construction and MSE walls.		
01/18-10/18	I-20 Eastbound Bridge At I-55 South, Hinds County, Mississippi Geotechnical engineer responsible for review of original design and geotechnical investigation, additional drilling program as well as the design the of the bridge foundation, temporary and permanent shoring, embankment settlement analysis, slope stability including H-Pile stabilization.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Brad Wilder, PE	Years of relevant experience with this employer	13
Title	Senior Geotechnical Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		MS / 2007 / Geotechnical Engineering; BS / 1999 / Geotechnical Engineering and Geology	
Active registration number / state / expiration date		#40735 / LA / 09-30-2026; #32184 / MS / 12-31-25; #40186 / WI / 07-31-26; #13141156-2202 / UT / 03-31-2027; #151266 / TX / 12-31-2025	
Year registered	LA 2016, MS 2021, WI 2009, UT 2022, TX 2024	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Geotechnical Services (Geotechnical Engineering)	
Brad is a geotechnical engineer in HNTB's New Orleans office with more than 20 years of experience. His experience includes multiple complex infrastructure design projects including residential, industrial, municipal, government and commercial projects. His geotechnical experience includes a variety of subsurface explorations, geophysical explorations, analysis and foundation design for buildings, roadways, bridges, embankments, and retaining walls. He has design and construction experience with deep foundations, retaining walls and ground improvement methods for stability and settlement mitigation. He has been involved with multiple complex infrastructure design projects, field construction management, and levee evaluation and design.			
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-Present	I-10 Calcasieu River Bridge Public-Private Partnership Project Owner's Verification, Louisiana SME for geotechnical reviews based on project technical provisions. Reviews included subsurface exploration, pavement design, retaining walls, embankment, and bridge deep foundations.		
03/23-Present	Louisiana Highway 1 Bridge, Phase 2, Golden Meadow, Louisiana Senior geotechnical engineer responsible for assisting with review of pile driving data and construction engineering support. HNTB coordinated with the Louisiana Department of Transportation and Development to provide preliminary and final design services for Phase 2 of the Louisiana Highway 1 Bridge project—an 8-mile elevated span currently under construction. The bridge is replacing a long section of at-grade roadway that frequently requires closures and maintenance due to hurricane storm surge events.		
09/20-03/21	LA-1 over Caddo Lake Bridge Replacement, Caddo Parish, Louisiana Geotechnical engineer for an off-alignment bridge replacement. Geotechnical tasks included foundation design using PPC piles, drivability, approach embankment settlement calculations, and slope stability.		
07/18-06/20	Comite River Diversion U.S. 61 and KCS Railway Bridges and Shoofly Design, East Baton Rouge Parish, Louisiana Geotechnical engineer responsible for the Comite River Diversion drilling program, stability design and bridge foundations for the new KCS Railway and US 61 bridges over the Comite river diversion project. Foundations included PPC piles, steel pipe piles and drilled shafts up to 12 feet in diameter.		
03/20-Present	I-10/Loyola Interchange DB OV, Jefferson Parish, Louisiana Senior geotechnical engineer for the DB owner's verifier CEI support services contract. Responsibilities include review of design reports, design criteria, adherence to the performance-based specifications and constructability of design-builder's progress submittals. Senior technical reviews include verifying pavement design reports, deep foundation support and load tests for new roadway flyover and canal bridges, embankment settlement and preload evaluations, slope stability, and sound wall stability meet LADOTD design standards.		
07/18-04/19	U.S. 90 over LA-14 Bridge Reconstruction, Iberia Parish, Louisiana Geotechnical engineer on the replacement of U.S. 90 over LA-14 that included drilled shaft construction and MSE walls.		
01/18-10/18	I-20 Eastbound Bridge At I-55 South, Hinds County, Mississippi Geotechnical engineer responsible for review of original design and geotechnical investigation, additional drilling program as well as the design the of the bridge foundation, temporary and permanent shoring, embankment settlement analysis, and slope stability.		



16. Staff Experience:			
Firm employed by: Ardaman & Associates, Inc.			
Name	Megan Bourgeois, PE	Years of relevant experience with this employer	19
Title	Principal Engineer / Assistant Branch Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering	
Active registration number / state / expiration date		#36725 / LA / 03-31-2026 Traffic Control Supervisor / LA / 06-21-2028; DOTD Flagger / LA / 08-14-2028 Certified NHI Drilled Shaft Inspector	
Year registered	LA 2011	Discipline	Civil
Contract role(s) / brief description of responsibilities		Geotechnical Services (Field Investigations/Lab Testing); MPR #9	
Megan has more than 19 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. She also has extensive experience with geotechnical instrumentation, installation and monitoring, and construction phase testing and laboratory management. She has served as Ardaman's project manager for many LADOTD projects for bridges and roadways throughout Louisiana and completed numerous geotechnical investigations, engineering, and reporting in accordance with LADOTD standards. She has successfully overseen several major contracts for LADOTD and other clients. Megan also serves as the director of Ardaman's geotechnical engineering and CMT laboratories in Baton Rouge and has overseen the laboratory testing programs in accordance with LADOTD standards. In this role, she supervises the laboratory managers, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocol is followed and deadlines are met in addition to providing training material and maintaining all laboratory certifications, including AMRL, CCRL, DEQ & USACE.			
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).		
07/23-Present	LA 1 to LA 30 Connector, West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, Louisiana Project engineer who helped oversee supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. The preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments.		
10/09-Present	I-20 Mississippi River Bridge Review, Vicksburg, Mississippi Project manager who manages this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating movement of the I-20 Bridge in Vicksburg, Mississippi. She managed a highly technical team including academia, experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction, x-ray scanning of unextruded samples to identify existing shearing planes and stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation program for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, Megan performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures including design and evaluation of large foundation structures and developed technically feasible solutions to mitigate ground movement. She co-authored the geotechnical analysis and design report.		



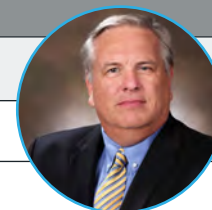
16. Staff Experience:	
04/21-Present	Rural Bridge Initiative Phase II, West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, Louisiana Project engineer who leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, over various size rivers and creeks.
10/15-Present	Pecue Lane I-10 Interchange, East Baton Rouge Parish, Louisiana Project manager who managed all aspects of the project that included field investigations, laboratory testing, and engineering design. She performed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to LADOTD standards. She is currently assisting with the field construction monitoring. This project consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, a bridge crossing Ward's Creek, and on/off-ramps in south Baton Rouge.
07/21-01/22	I-10 Calcasieu River Bridge, Calcasieu Parish, Louisiana Project manager who managed all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 geophysical survey transects. A majority of the soil borings were completed from a barge over deep water, some from a marsh buggy over shallow water and thick marsh grass. Megan also managed and oversaw the laboratory testing program and processing and analyzing of the ECPT and ER data. She assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to various other interchanges.
05/06-12/11	LA 1 Phases 1 & 2, Lafourche Parish, Louisiana Assistant project engineer who directed the laboratory testing program to ensure strict adherence to LADOTD standards and managed the drilling operations which included deep borings and CPT soundings in the coastal marshes via airboat-mounted equipment. She oversaw the completion of over 70 soil boring logs and evaluated and presented approximately 300 CPT sounding logs for use in design of pile foundations. This project is the second phase of the 17-mile elevated highway spanning from Golden Meadow to Fourchon.
09/22-Present	Evageline Road & CN Railroad Culvert, St. Charles Parish, Louisiana Project engineer who completed subsurface exploration and geotechnical engineering evaluation. The project consists of the installation of two reinforced concrete box culverts (RCBCs) on the north and south sides of the CN Railroad as it crosses over Evangeline Road near Montz, Louisiana in St. Charles Parish. Ardaman performed the geotechnical fieldwork and engineering evaluation including recommendations for site preparation, shoring and bedding recommendations, and pavement design in a final report.
07/23-Present	US 371 KCS Railroad Overpasses HBI, Webster Parish, Louisiana Project engineer who performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge.

16. Staff Experience:			
Firm employed by: Ardaman & Associates, Inc.			
Name	Robert Jewell, PE	Years of relevant experience with this employer	18
Title	Project Engineer / Branch Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering	
Active registration number / state / expiration date		#38579 / LA / 09-30-2026 Traffic Control Supervisor / LA / 08-23-2028 DOTD Flagger / LA / 07-31-2029	
Year registered	LA 2013	Discipline	Civil
Contract role(s) / brief description of responsibilities		Geotechnical Services (Geotechnical Engineering)	
Robert serves as the manager of our Baton Rouge office and has over 15 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Robert has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation. In particular, he has over 15 years of experience performing, analyzing, and reporting for PDA testing, including CAPWAP.			
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).		
07/23-Present	LA 1 to LA 30 Connector, West Baton Rouge, Iberville, Ascension and East Baton Rouge Parishes, Louisiana Project manager who managed supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped oversee the preliminary engineering analyses which included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. A data report and preliminary geotechnical assessment report were submitted.. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments.		
09/22-Present	Evangeline & CN Railroad Culvert, St. Charles Parish, Louisiana Project manager who completed subsurface exploration and geotechnical engineering evaluation. The project consists of the installation of two RCBCs on the north and south sides of the CN Railroad as it crosses over Evangeline Road near Montz, Louisiana in St. Charles Parish. Ardaman performed the geotechnical fieldwork and engineering evaluation including recommendations for site preparation, shoring and bedding recommendations, and pavement design in a final report.		
10/18-11/21	I-220/I-20 Interchange Improvement and Barksdale Air Force Base Access Road, Bossier Parish, Louisiana Project manager who prepared the preliminary design and planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base and constructing an interchange and access road from Interstate 20 in Bossier City. He oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring.		
07/23-Present	U.S. 371 CPKC Railroad Overpasses HBI, Webster Parish, Louisiana Project manager who performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge.		



16. Staff Experience:	
07/21-Present	I-10 LA 415 to Essen Lane on I-10 & I-12 (CMAR), Baton Rouge Parish, Louisiana Project manager who leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
04/21-Present	Rural Bridge Initiative Phase II, West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, Louisiana Project manager who leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers, and creeks.
07/21-01/22	I-10 Calcasieu River Bridge, Calcasieu Parish, Louisiana Project engineer who led technical review of all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. Robert also assisted with review of the laboratory testing program, processing and analyzing of the ECPT and ER data. He also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.
04/14-05/23	I-12 to Bush Segment 2, LA 3241 (LA 36-LA435), St. Tammany Parish, Louisiana Project manager who oversaw and coordinated the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. Assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts. Robert oversaw the construction phase which included dynamic testing and settlement monitoring.
10/09-Present	I-20 Mississippi River Bridge Review, Vicksburg, Mississippi Project engineer who assisted in several aspects of engineering for this multi-million dollar, high risk, high technical needs, high visibility project consisting of investigating movement of the I-20 Bridge in Vicksburg, Mississippi. This project consisted of a comprehensive laboratory testing program and refinement of the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing included x-ray diffraction, x-ray scanning of unextruded samples and stress-reversal direct shear tests to determine true residual angles of critical strata. This project also included an extensive geotechnical instrumentation program including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures including design and evaluation of large foundation structures and developed technically feasible solutions to mitigate ground movement were completed.
10/15-Present	Pecue Lane I-10 Interchange, East Baton Rouge, Louisiana Project engineer who helped perform analyses including settlement estimates with recommendations for monitoring, driven pile and drilled shaft design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to LADOTD standards. Mr. Jewell is currently overseeing the construction phase which includes PDA monitoring, static load testing, and settlement monitoring. This project consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, a bridge crossing Ward's Creek, and on/off-ramps in south Baton Rouge.

16. Staff Experience:			
Firm employed by: Ardaman & Associates, Inc.			
Name	Mark Woodward, PE	Years of relevant experience with this employer	7
Title	Principal Engineer	Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization		MS / 2019 / Risk Management; MS / 1986 / Civil Engineering; BS / 1982 / Civil Engineering	
Active registration number / state / expiration date		#24206 / LA / 09-30-2027	
Year registered	LA 1991	Discipline	Civil
Contract role(s) / brief description of responsibilities		Geotechnical Services (Geotechnical Engineering)	
Mark served as a geotechnical engineer for 36 years in the geotechnical branch of USACE New Orleans District, retiring as the Deputy Chief of the Geotechnical Branch and Dam and Levee Safety Program Manager. He was responsible for managing all departments in the branch including engineering, drilling, soils laboratory, dredge material testing, concrete testing, and administration. Mr. Woodward has considerable experience designing and managing various types of projects on the Mississippi River, Atchafalaya Basin and Storm Surge Levees in Southeast Louisiana, Mississippi and Texas, as well as mitigation and coastal projects in Louisiana. These projects included design of major foundation elements for dams, earthen levees, hydraulic structures, floodwalls, revetments, channel stabilization, bank degrading, ground improvement, deep excavations, relief wells, wick drains, dewatering systems, seepage and stability berms, preloads, reinforced levees and marsh creation for mitigation, coastal restoration and protection and beneficial use of dredge material in marsh and coastal environments with field investigations requiring use of specialized marine and marsh drilling equipment. Since 2018, Mr. Woodward has served as Principal Geotechnical Engineer of Ardaman for Louisiana, Mississippi, Alabama, Arkansas, and Texas. Mr. Woodward provides oversight and review of design major foundation elements for transportation, industrial, commercial, and municipal projects.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/21-01/25	Rural Bridges Phase I, Claiborne Parish, Louisiana Principal engineer who provided review of the geotechnical design including pile foundations for 3 bridges. The Rural Bridges project initiative consists of replacing many older bridges throughout the State of Louisiana.		
07/23-Present	US 371 KCS Railroad Overpasses HBI, Webster Parish, Louisiana Principal engineer who performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge.		
01/19-12/23	Cheniere Spillway and Bridge Replacement, Ouachita Parish, Louisiana Principal engineer who served as the Principal Engineer for this project which included the replacement of the current damaged spillway and bridge structure in Ouachita Parish.		
10/18-11/21	I-220 I-20 Interchange Improvement and Barksdale Airforce Base Access Road, Bossier Parish, Louisiana Principal engineer who provided quality assurance oversight for this project, reviewing the work during the design and construction phase. This Design Build project consisted of direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and an interchange and access road from Interstate 20 in Shreveport, Louisiana.		
05/18-08/19	I-12 Widening, US 190 to LA 59, St. Tammany Parish, Louisiana Principal engineer who provided technical oversight for this project which included the widening of I-12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridges structures. Mr. Woodward provided oversight to perform additional soil borings, lab testing and engineering analyses for a retaining wall for one of the bridge abutments		



16. Staff Experience:			
Firm employed by: Ardaman & Associates, Inc.			
Name	Jarmon King, PE	Years of relevant experience with this employer	6
Title	Assistant Project Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2019 / Civil Engineering	
Active registration number / state / expiration date		#34348 / LA / 03-31-2027 Traffic Control Supervisor / LA / 11-08-2027; DOTD Flagger / LA / 05-28-2028	
Year registered	LA 2024	Discipline	Civil
Contract role(s) / brief description of responsibilities		Geotechnical Services (Field Investigations/Lab Testing)	
Jarmon serves as a project engineer of Ardaman in the Baton Rouge office with over 7 years of experience. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; processes and analyzes Cone Penetration Test (CPT) sounding design and analyses of multiple types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. Mr. King has experience in overseeing and performing Pile Driving Analyzer (PDA) testing during the construction phase of projects.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/23-Present	LA 1 to LA 30 Connector, West Baton Rouge, Iberville, Ascension and East Baton Rouge Parishes, Louisiana Project engineer who helped oversee the field program, development of the laboratory testing program, development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped perform the preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. Mr. King assisted in preparation of the Data and Design reports for this project. The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments.		
07/21-Present	I-10 LA 415 to Essen Lane on I-10 and I-12 CMAR, Baton Rouge Parish, Louisiana Project engineer who co-manages and oversees the engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. Mr. King helped develop the Geotechnical Data reports, memorandums, and Design reports for this project. The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.		
04/21-Present	Rural Bridge Initiative Phase II, West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, Louisiana Assistant project engineer who assisted in engineering design pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, construction testing program recommendations, and report preparation in accordance with LADOTD guidelines. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.		
07/21-01/22	I-10 Calcasieu River Bridge, Calcasieu Parish, Louisiana Assistant project engineer who assisted with all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. Most of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. He also assisted with the laboratory testing program, processing and analyzing of the ECPT and ER data, development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to various other interchanges.		



16. Staff Experience:			
Firm employed by: Ardaman & Associates, Inc.			
Name	Jessica Litt	Years of relevant experience with this employer	12
Title	Laboratory Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2010 / Biology	
Active registration number / state / expiration date		NICET/Generalist, Laboratory No. 141243 / LA / 10-01-2027	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Geotechnical Services (Field Investigations/Lab Testing)	
Jessica serves as Laboratory Manager of Ardaman's Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. She supervises and manages operations of our AMRL Certified, DEQ Accredited, and USACE-validated laboratory and performs and oversees laboratory testing assignments, organizes, and schedules testing, trains and develops technicians, and supervises five laboratory technicians. Ms. Litt is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and LADOTD testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size Analysis, Gradation Testing, Organic Content, Hydrometer Analysis, Moisture Content, Consolidation Testing, Hydraulic Conductivity, pH, Resistivity, Strength Testing (Unconfined, Unconsolidated-Undrained Triaxial, Consolidated-Undrained Triaxial), Direct Shear, Specific Gravity, and Permeability of Granular Soils.			
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-Present	Culvert Replacements, Evangeline, Jackson, Rapides, Richland, St. Landry, Vernon, and Winn Parishes, Louisiana Laboratory manager who oversaw the completion of a comprehensive laboratory testing program for 100 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis, Hydrometer, Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT in order to produce the LADOTD soil boring logs.		
08/24-Present	LA 44 Roundabouts and Widening, Ascension Parish, Louisiana Laboratory manager who oversaw the completion of a comprehensive laboratory testing program for 10 deep and 14 shallow soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT to produce the LADOTD soil boring logs.		
07/23-Present	LA 1 to LA 30 Connector, West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes,, Louisiana Laboratory manager who oversaw the completion of a comprehensive laboratory testing program for 18 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt reviewed the consolidation test results and entered the laboratory test results into gINT in order to produce the LADOTD soil boring logs.		
07/23-Present	IJA Off-System Bridges, Allen, Beauregard, and Calcasieu Parishes, Louisiana Laboratory manager who oversaw the completion of a comprehensive laboratory testing program for 10 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT to produce the LADOTD soil boring logs.		
07/23-Present	U.S. 371 KCS Railroad Overpasses HBI, Webster Parish, Louisiana Laboratory manager who performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations. The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge.		

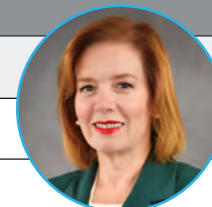


16. Staff Experience:			
Firm employed by: Ardaman & Associates, Inc.			
Name	Casey Floyd	Years of relevant experience with this employer	4
Title	Drilling Supervisor	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		High School Diploma	
Active registration number / state / expiration date		Traffic Control Technician / LA / 9-5-2027 Traffic Control Supervisor / LA / 9-6-2027 DOTD Flagger / LA / 6-04-2028 Louisiana Water Well Driller's License #WWC-212, 6-30-2026	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Geotechnical Services (Field Investigations/Lab Testing)	
Corey has over 30 years of experience drilling in the Louisiana Gulf Coast Region including performing soil borings (on land and over water), CPT soundings, monitor well installation and abandonment, and installation of geotechnical monitoring instrumentation. Mr. Floyd has planned and supervised many LADOTD geotechnical investigation projects. He has arranged right of entry, utility locations, site clearing, arranging for police assistance (if needed) and traffic control/crew safety, and coordinating between engineering staff and drill crew. He has also successfully completed a multitude of LADOTD projects consisting of shallow borings and deep soil borings to depths of approximately 300 feet.			
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-Present	Culvert Replacements, Evangeline, Jackson, Rapides, Richland, St. Landry, Vernon, and Winn Parishes, Louisiana Drilling supervisor who oversaw the field investigation program consisting of 10 deep soil borings in accordance with LADOTD guidelines. He performed site reconnaissance at each location and coordinated the access along with traffic control. The project consisted of geotechnical field investigations throughout Louisiana consisting of ten soil borings to depths ranging from 100 to 120 feet.		
08/24-Present	LA 44 Roundabouts and Widening, Ascension Parish, Louisiana Drilling supervisor who oversaw the field investigation program consisting of 10 deep and 14 shallow soil borings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.		
07/23-Present	IJA Off-System Bridges, Allen, Beauregard, and Calcasieu Parishes, Louisiana Drilling supervisor who oversaw the field investigation program consisting of 10 deep soil borings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.		
03/22-01/25	Boudreaux Canal Bridge Replacement, Terrebonne Parish, Louisiana Drilling supervisor who oversaw the field investigation program consisting of eight deep soil borings and four CPT soundings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring. Mr. Floyd oversaw the completion of one of the soil borings that was performed on a barge. The project consisted of replacement of the existing LA 56: Boudreaux Canal Bridge with a new bridge just west of the center line of the existing bridge.		
07/23-Present	U.S. 371 KCS Railroad Overpasses HBI, Webster Parish, Louisiana Drilling supervisor who performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations. The project consists of construction of three bridges for U.S. 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge.		

16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Van Short, PE, PTOE, PMP, RSP	Years of relevant experience with this employer	8
Title	Senior Project Manager	Years of relevant experience with other employer(s)	32
Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering	
Active registration number / state / expiration date		PE: #26026 / LA / 03-31-2026; #69192 / TX / 12-31-2025 PTOE: #5542 PMP: #3909616 RSP: #957	
Year registered	PE: LA 1994, TX 1991 PTOE: 2023 PMP: 2024 RSP: 2022	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design)	
Van is a highly skilled project manager with experience in a wide variety of highway design and transportation studies, including feasibility studies, design and reconstruction, PS&E, design-build and utility coordination. He worked for TxDOT for six years in the Tyler and Dallas districts and has vast experience in designing projects following TxDOT and ARDOT specifications. His project management experience includes roadway schematics, off-system bridges, urban highway widenings, multi-level interchanges, multi-lane freeways, HSIP safety projects and interstate rest areas.			
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-Present	Highway 22 I-40 (Arkansas River) P.E. (I-49) PS&E, Crawford and Sebastian Counties, Arkansas Currently serving as project manager for the 13.56-mile new location four-lane freeway. The project consists of four ArDOT Jobs and a full service rest area. Van is also managing the Title II construction phase services for 040901. Van assumed the role of project manager when the design for Job 040901 was 100 percent complete and 60 percent complete for the other Jobs. There are a total of twenty bridges on the project, including a fully directional interchange at I-40 which includes six direct connector bridges. The length of the bridge over the Arkansas River is 5,232 feet. There are 13 overpass bridges. The estimated construction costs are \$926 million.		
02/14-04/17	Mobility35, Austin, Texas Served as engineering technical lead for this General Engineering Consultant (GEC) contract for the TxDOT Austin District. Mobility35 program covers the limits of I-35 in Williamson, Travis and Hays Counties. Served as the project coordinator for three PS&E projects with an estimated construction cost of \$85 million.		
12/13-12/14	I-10 Collector-Distributor PS&E, El Paso, Texas Project manager for this 6-mile section of I-10 to upgrade and widen portions of I-10 and add collector-distributor lanes with an approximate construction cost of \$163 million. The team identified refinements in the schematic that saved enough construction cost for TxDOT El Paso District to remain within the budget. The project included 16 bridges, including seven bridge widenings, two direct connectors. The construction plans were completed in ten months.		
02/14-07/16	I-35 CAIP, Travis County Implementation Plan, Austin, Texas Roadway task manager for Segments 5 and 6 from MLK Boulevard to Woodward Street in the vicinity of downtown Austin and provided direct oversight of the development of concepts and alternatives. Provided direct daily management and coordination for developing mobility improvements within the corridor including an additional thru lane in each direction (possible general purpose, express or managed), interchange modifications, frontage road and ramp enhancements, bike and pedestrian accommodations, and multimodal features and facilities.		



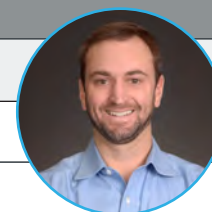
16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Kate Prejean, PE	Years of relevant experience with this employer	25
Title	Associate Vice President, Project Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2000 / Civil Engineering	
Active registration number / state / expiration date		#35036 / LA / 03-31-2026; #19264 / MS / 12-31-2025; #63000 / FL / 02-28-2027	
Year registered	LA 2009, MS 2009, FL 2005	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design); MPR #8	
Kate serves as an associate vice president and project manager within HNTB's Baton Rouge transportation group. In this role, she serves as a responsible member of the firm. Since joining HNTB in 2000, she has been responsible for highway design on numerous roadway projects, for planning studies including NEPA process studies, public involvement activities, corridor studies and bicycle-pedestrian feasibility studies.			
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-Present	MOVEBR Infrastructure Program, East Baton Rouge, Louisiana Director of preconstruction for the \$1.2 billion program of projects that was separated into a list of capacity and enhancement projects. HNTB is responsible for \$800 million in capacity infrastructure projects on 40 roadways throughout the parish of East Baton Rouge. As director of preconstruction, Kate is responsible for ensuring delivery of the projects from conceptual development, selection of design consultants, completion of design study and final design plans, permitting, cost estimating, ROW acquisition, budget tracking, quality assurance and control, coordination with city staff and other stakeholders. The activities include services provided by design consultants and specialty service consultants. She also monitors and coordinates schedule activities, burn rates, invoice review and approvals among other project control activities.		
05/17-06/21	Urban Systems Program, Marconi Drive, MLK Boulevard, Morrison Road I and II, Orleans Parish Rehabilitation Projects, New Orleans, Louisiana Project engineer for the \$20 million roadway reconstruction projects and was responsible for the development of project plans and specifications including preliminary and final.		
07/09-02/23	Lafayette Metro Expressway Commission Lafayette Regional Expressway, Lafayette, Louisiana Project manager for the Tier 1 EIS for a future 30-mile toll loop around the Lafayette metropolitan area. She was responsible for the finalization of the draft EIS document, coordination with stakeholders and public hearing preparations. Duties will continue until the conclusion of the project with the issuance of a Record of Decision (ROD). She managed the quality control efforts on the project documentation as it went to final production. Also, she has been responsible for the development of construction cost estimates and coordination among disciplines for the financial feasibility study for additional segments that the commission is studying.		
12/08-01/24	I-10 Calcasieu River Bridge EIS, Calcasieu Parish, Louisiana Project manager responsible for overall delivery of the project, public involvement and stakeholder coordination, drafting of project documentation, cost estimating, design decisions, schedule and cost management. This project studied the environmental impacts of widening the existing interstate and bridge over the Calcasieu River through an EIS. Ms. Prejean continued to work on the project as a technical advisor, providing background and history of decision making, engineering and environmental guidance. The FHWA issued a ROD in 2023. The project was initiated in 2013 (put on hold until 2016 re-start). It was delayed due to traffic and safety issues, extensive EJ outreach, and floodplain issues.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Ryan Felder, PE	Years of relevant experience with this employer	3
Title	Project Engineer	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		BS / 2011 / Civil Engineering	
Active registration number / state / expiration date		#40154 / LA / 03-31-2026	
Year registered	LA 2015	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design)	
Ryan serves as a project engineer in HNTB's Baton Rouge office. Before joining HNTB, he worked for over a decade at the LADOTD, serving in various roles. He is proficient in several programs, including MicroStation, InRoads and ProjectWise.			
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-Present	IJA Off-System Bridge Program, District 61, East Baton Rouge Parish, Louisiana Designer and reviewer for five off-system bridge spot replacements. This \$38.5 million off-system bridge replacement program, replacing 13 bridges separated into 10 projects located throughout East Baton Rouge Parish. This role includes development of plan sheets and a quality review of the plan set. Disciplines include bridge, roadway, geotechnical, survey, traffic control and hydraulics.		
07/25-Present	U.S. 80 Bridges Near Minden, District 04, Webster and Bossier Parish, Louisiana Project engineer responsible for development of plan sheets, traffic control for construction and a quality review of the plan set. This project consists of 5 bridge replacements at three different sites. Two sites are on a major highway and the other site is located in the town of Minden.		
04/24-08/25	Urban Systems Program, Morrison Road I & II, New Orleans, Louisiana Road designer for this project, part of the New Orleans Urban Systems Program through the LADOTD. HNTB is performing roadway and bridge design, proposal preparation and construction administration with resident inspection. This project included the replacement of two bridges, repair plans for three bridges, and approach slab replacement for five bridges in New Orleans East as part of the complete street improvements to the Morrison Road corridor between Mayo Avenue and Bullard Avenue. This project is funded through the New Orleans Regional Planning Commission and requires adherence to LADOTD requirements.		
09/22-02/25	Plank-Nicholson BRT, Baton Rouge, Louisiana To offer a more accessible and connected transit option, East Baton Rouge transitioned from the TramLinkBR streetcar to a BRT system. HNTB supported this shift by working closely with the City-Parish, CATS, and EBRRA to define the project and create an implementation plan. Their efforts included coordinating with the FTA, conducting traffic and environmental analyses, designing BRT stations and a transfer facility, and modeling ridership using the STOPS model. HNTB also led public engagement, developed GIS maps, and prepared a conceptual cost estimate. Their work helped secure a \$15 million BUILD Grant. Additional services included coordination with local agencies such as LADOTD, LSU, and OLOL, as well as support for right-of-way acquisition, environmental review, survey work, and design oversight throughout the construction process. This comprehensive approach ensured the project aligned with community needs and federal funding requirements.		

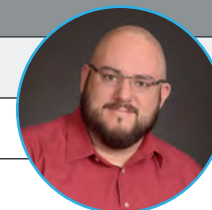


16. Staff Experience:			
Firm employed by: Stanley Consultants, Inc.			
Name	Blake Roussel, PE, PMP	Years of relevant experience with this employer	18
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BS / 2003 / Civil Engineering	
Active registration number / state / expiration date		PE: #33279 / LA / 09-30-2027 PMP: #2018301 / 03-23-2026	
Year registered	PE: 2007 PMP: 2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design)	
Blake specializes in managing design teams for the development of transportation infrastructure projects. Over his two-decade career in Louisiana, he has designed or managed 20+ projects for LADOTD. His professional experience encompasses project management and construction plan preparation for complete streets, and road design projects, in accordance with LADOTD plan preparation guidelines including both full-size and letter sized pavement preservation projects. Prior to joining Stanley Consultants, Blake gained valuable transportation experience employed by LADOTD. Blake is a certified Project Management Professional (PMP), which is recognized across the world as the gold standard in project management. As Project Principal, Blake's role in this contract will include resource and contract management. Blake will work closely with HNTB and assist our project managers in leading individual task order contracts through our internal approval process. Blake will also ensure that we meet the resourcing needs for all work assigned. Blake is ultimately responsible for ensuring adherence to diligent scope, schedule, and quality project workflows for all projects led by the office.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/18-02/20	LA 1 Iberville P/L - Port Allen Canal B, West Baton Rouge Parish, Louisiana Project manager responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.		
06/18-01/21	U.S. 61 Bluebonnet Boulevard to South End U.S. 190, East Baton Rouge Parish, Louisiana Project manager responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.		
03/17-08/19	LA 67 EBR P/L to 8 Miles North of EB, East Feliciana Parish, Louisiana Project manager responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.		
01/23-Present	I-20 Widening/Ovrly (Vancil Rd-LA 34), Ouachita Parish, Louisiana Project principal responsible for ensuring the project is receiving adequate resources to maintain project schedules and ensuring proper QA/QC procedures are being followed.		
11/18-04/22	I-12 LA 21 to U.S. 190, St. Tammany Parish, Louisiana Project principal responsible for assisting and overseeing portions of the horizontal and vertical alignment design, drainage design, and sequence of construction with minimum temporary traffic control layout and striping according to LADOTD specifications, standards and design criteria. Additional responsibilities include standard PM duties including coordination, QC of plans and design, project coordination, and scheduling.		
06/15-09/23	LA 675 and LA 87 Improvements, Iberia Parish, Louisiana Project manager responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation, Excel, and HYDRWIN.		



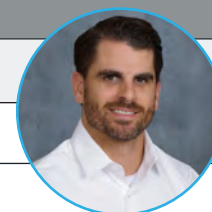
16. Staff Experience:	
10/18-03/20	LCG Road Overlay Program, Lafayette Parish, Louisiana Project manager responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to LADOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
10/18-12/19	Prejean Road, Lafayette Parish, Louisiana Project manager responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to LADOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
10/16-09/18	LA 2 Caney Creek Bridge to Webster P/L - Pavement Preservation Program, Bossier Parish, Louisiana Project manager responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.
06/13-04/19	Village De L'est Neighborhood, City of New Orleans, New Orleans, Louisiana Project manager responsible for the roadway scoping, pavement rehabilitation design, plan preparation, construction administration, and construction resident inspection for urban local roadways. The scoping phase includes a Project Scope Report based on the results of pavement damage inspection review and assessment and its applicable rehabilitation recommendations. The scoping report includes scoping plans, pavement rehabilitation quantities, pavement damage inspection photos, as well as a written scoping report. Preliminary plan scope of work includes Milling and Asphaltic Concrete (AC) Overlay, AC patching, Portland Cement Concrete Patching, Composite Pavement Patching, driveway repairs, sidewalk repairs, waterline repairs, utility adjustments, and sanitary sewer repairs.
01/17-06/18	Bootlegger Road Mill and Overlay and Bootlegger Road Bridge Design, St. Tammany Parish Government, St. Tammany Parish, Louisiana Project principal responsible for the right of way mapping, soil analysis, traffic data inventory, feasibility study, conceptual engineering design, opinion of construction cost, preliminary wetland assessment, and Corps of Engineers (USACE) jurisdictional determination for the mill & overlay and bridge design along a 3-mile segment of Bootlegger Road located in Covington.

16. Staff Experience:			
Firm employed by: Stanley Consultants, Inc.			
Name	Jesse Tisdale, PE	Years of relevant experience with this employer	7
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BS / 2012 / Civil Engineering	
Active registration number / state / expiration date		#40972 / LA / 03-31-2027	
Year registered	2016	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design); MPR #8	
Jesse has been responsible for the design and/or project management of roadway projects such as: roadway reconstruction, intersection safety projects, turn lane additions, corridor safety projects, and roundabout projects throughout Louisiana. He has completed 14 projects for LADOTD. Jesse is proficient in both design and management and is capable of fulfilling both roles simultaneously as projects warrant. His design expertise is with roadway/highway design, drainage, environmental permitting, construction sequencing, earthworks and estimating. Jesse has his TCT and TCS certifications.			
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).		
11/18-04/22	LA 30 Roundabouts at Tanger and I-10, Ascension Parish, Louisiana Project manager/lead design engineer responsible for providing oversight for all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA. Mr. Tisdale also provided QA of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.		
11/23-Present	LA 1088 Forest Brook Blvd Roundabout, St. Tammany Parish, Louisiana As the QA/QC controller on this IDIQ, Jesse is responsible for the quality and completeness of the design and construction plans. Additionally, he is assisting in managing the project as the overall IDIQ PM, while others manage the individual projects.		
08/24-Present	LA 44 I-10 Roundabouts, Ascension Parish, Louisiana Project manager responsible for providing oversight for all necessary engineering and related services required for the design of three multi-lane roundabouts along the LA 44 corridor at the heavily traversed I-10 interchanges in Gonzales, Louisiana.		
01/23-Present	LA 447 Roundabouts, Livingston Parish, Louisiana Working as a subconsultant, Jesse served as the Stanley Consultants project manager responsible for overall project oversight, adherence to scope of work, budget, and schedule requirements, as well as QA/QC activities.		
12/17-03/23	I-12 LA 21 to U.S. 190, St. Tammany Parish, Louisiana Serving as project manager, Jesse was responsible for assisting and overseeing the horizontal and vertical alignment design, drainage design, and sequence of construction with minimum temporary traffic control layout and striping according to LADOTD specifications, standards and design criteria. His additional responsibilities include standard PM duties including coordination, QC of plans and design, project coordination and scheduling. Design tools used for this project included MicroStation, InRoads, CADConform, Bentley InRoads, DOTD HydrWIN and Microsoft Project.		
05/24-Present	Inter. Improvements on LA 92 at LA 733 and Gallet Road, Lafayette Parish, Louisiana QA/QC lead engineer responsible for reviewing work products for technical adequacy and completeness, verifying preparation and checking procedures have been followed, reviewing Quality Control Checklists as a discipline approver at each designated quality "checkpoint", and reviewing design criteria documents for compliance with LADOTD and AASHTO standards. Also responsible for providing design guidance to the project team as a subject matter expert.		



16. Staff Experience:	
04/17-11/22	U.S. 171 at Boone Street Roundabout, Vernon Parish, Louisiana Serving as project manager, Jesse was responsible for assisting design of a three-legged multi-lane roundabout and multiple intersection improvements along U.S. 171. Tasks also include, budgeting, project cost estimation, utility coordination, and QA for the design and construction plans. This project involves engineering and related services to develop construction plans for a multi-lane (Hybrid) roundabout at the intersection of U.S. 171 and Boone Street to allow for improvements to safety and efficiency, while utilizing best access management practices along the corridor.
04/23-Present	IA 724 Roundabout at Landry Road, Lafayette Parish, Louisiana As the QA/QC controller on this IDIQ Jesse is responsible for the quality and completeness of the design and construction plans. Additionally, he is the project manager for this project providing overall project oversight, budget controls, and coordination with LADOTD.
01/23-Present	I-20 Widening/Ovrly (Vancil Road-LA 34), Ouachita Parish, Louisiana Project manager responsible for adherence to scope of work, budget, and schedule requirements. Additional responsibilities include QC/QA and subconsultant coordination.
10/13-04/15	U.S. 11 AT Cleo Road Roundabout, St. Tammany Parish, Louisiana Lead designer responsible for the design and plan development of a single lane roundabout at U.S. 11 and Cleo Road. This roundabout design included special design details for the WB-67 design vehicle due to two distribution warehouses located on Cleo Road. This project additionally involved the design of a 4th leg that is to be built at a later date when private development north of the roundabout is complete.
02/21-03/23	MOVEBR Lee Drive Widening, East Baton Rouge Parish, Louisiana Serving as Stanley Consultants' project manager and lead designer, Stanley Consultants is a subconsultant on this project responsible for all road design between Highland Road and the Bayou Duplantier Bridge. Jesse is responsible for the oversight of all roadway design for the portion the project that has been assigned to Stanley Consultants. This project involves developing the limited Lee Drive corridor into a widened footprint with a divided roadway, bike lanes, and pedestrian facilities.
09/19-03/23	Stone Road to Powell Drive Extension, St. Tammany Parish, Louisiana Project manager for engineering design services for a new greenfield connector roadway between Ben Thomas Road and Powell Drive as well as widening and drainage improvements to an existing section of Powell Drive. The purpose of this project is to accommodate industrial traffic accessing and egressing Interstate 12 to the north by providing improved system linkage with a new north-south connector roadway and improving an existing roadway within the project limits.
04/16-01/18	Dijon Drive Extension Phase I & II, Confidential Client, East Baton Rouge Parish, Louisiana Project manager/lead designer responsible for a proposed four-lane divided highway project between Essen Lane and Bluebonnet Boulevard. Project management responsibilities included budget coordination with local, city, and state agencies, design and construction scheduling coordination to prevent conflict from major construction in the surrounding areas, coordination with several private entities and other public departments working on designing or constructing projects in the vicinity of the roadway, and coordinating subsurface drainage to combine roadway drainage and drainage from private properties adjacent to the new roadway. Design responsibilities included the geometric roadway design, roadway modeling, and overseeing drainage design. This was a greenfield project along new alignment.

16. Staff Experience:			
Firm employed by: Stanley Consultants, Inc.			
Name	Adam Fields, PE	Years of relevant experience with this employer	7
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BS / 2005 / Civil Engineering	
Active registration number / state / expiration date		#35614 / LA / 09-30-2026	
Year registered	2010	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design)	
Adam is experienced in design for local roads, highways and roundabouts in accordance with LADOTD standards and specifications. His experience has included project/task management, roadway alignment studies; development of horizontal and vertical geometrics; typical sections; intersection details; roadway drainage calculations, earthwork design; development of traffic control and staging plans, roadside safety features and development of quantities, technical specifications, and construction cost estimates. He is skilled in development of three-dimensional roadway models and roadway design utilizing MicroStation, AutoCAD, Civil 3D, InRoads and OpenRoads software. Adam has his TCT and TCS certifications.			
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).		
10/18-04/22	LA 30 Roundabouts at Tanger and I-10, Ascension Parish, Louisiana Civil engineer responsible for providing oversight for all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, Louisiana. Adam also provided QA of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.		
10/18-02/20	LA 1 Iberville P/L - Port Allen Canal B, West Baton Rouge Parish, Louisiana Engineer responsible for a patch, mill and overlay pavement preservation project along LA 1 in West Baton Rouge and Iberville Parishes, Louisiana. Duties include generating typical sections, superelevation correction tables, quantity tables for the patching, milling and overlay of asphalt pavement, concrete patching, pavement markings, guard rail design, ADA ramp design.		
10/18-01/21	U.S. 61 Bluebonnet Boulevard to South End U.S. 190, East Baton Rouge Parish, Louisiana Engineer responsible for a patch, mill and overlay pavement preservation project along U.S. 61 in East Baton Rouge Parish, LA. Duties include generating typical sections, superelevation correction tables, quantity tables for the patching, milling and overlay of asphalt pavement, concrete patching, pavement markings, guard rail design, ADA ramp design.		
10/18-04/22	I-12 LA 1077 to LA 21, St. Tammany Parish, Louisiana Design lead responsible for horizontal and vertical alignment, typical sections, sequence of construction with minimum temporary traffic control layout and striping according to LADOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.		
03/19-03/20	I-12 LA 21 to U.S. 190, St. Tammany Parish, Louisiana Design lead responsible for horizontal and vertical alignment, typical sections, sequence of construction with minimum temporary traffic control layout and striping according to LADOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.		
10/18-03/22	LA 675 and LA 87 Improvements in New Iberia Pavement Preservation Program, Iberia Parish, Louisiana Design lead responsible for plan development, drainage design, determining quantities and pay items according to LADOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads, HYDRWIN drainage modeling software and Microsoft Excel.		

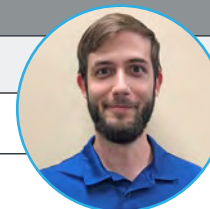


16. Staff Experience:	
05/24-Present	Inter. Improvements on LA 92 at LA 733 and Gallet Road, Lafayette Parish, Louisiana Project manager for the overall IDIQ contract for parishes in LADOTD's District 03. Task Order duties for a roundabout intersection improvement project on LA 92 at LA 733 and realignment of curves on LA 92 at Gallet Road include conducting a pre-design ride of the proposed project, leading manhour proposals and fee estimation for design, holding kickoff meetings and conducting overall coordination between District staff and subconsultants. Tasks are design oversight and QA/QC, scheduling, invoicing, and ensuring timely submittal milestone deliveries.
10/18-11/22	U.S. 171 at Boone St. Roundabout, Vernon Parish, Louisiana Civil engineer responsible for providing oversight for all necessary engineering and related services required for the design of a multi-lane roundabout along U.S. 171. This project involves engineering and related services to develop construction plans for a multi-lane (Hybrid) roundabout at the intersection of US 171 and Boone Street to allow for improvements to safety and efficiency, while utilizing best access management practices along the corridor. Adam also provided QA of typical sections, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.
10/18-03/20	LCG Road Overlay Program, Lafayette Parish, Louisiana Design lead responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to LADOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
09/20-06/22	Cypress Island Highway Pavement Preservation, Lafayette, Louisiana Project engineer for the pavement preservation task order to mill, overlay and patch Cypress Island Highway from LA 353 to LA 31 in St. Martinville, Louisiana. Task Order duties include walking pavement preservation-style survey, design of typical sections including superelevation correction, quantities, striping, guard rail design and ensuring timely submittal milestone deliverables.
10/18-12/19	Prejean Road Pavement Preservation, Lafayette Parish, Louisiana Design lead responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to LADOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.

16. Staff Experience:			
Firm employed by: Stanley Consultants, Inc.			
Name	Brady Richard, PE	Years of relevant experience with this employer	14
Title	Principal Transportation Engineer	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		BS / 2002 / Civil Engineering	
Active registration number / state / expiration date		#35600 / LA / 09-30-2026	
Year registered	2010	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design)	
Brady has over 20 years of experience as a professional engineer and has established a strong track record of delivering complex projects across the water and transportation sectors. Throughout his career, he has demonstrated exceptional skills in project management, design, and project delivery, ensuring timely and within-budget completion of diverse projects. Brady's expertise spans various aspects of transportation engineering, and he has successfully managed multidisciplinary teams to achieve project goals. By combining technical expertise with strong leadership and communication skills, Brady has consistently driven successful project outcomes and contributed to the advancement of transportation infrastructure.			
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).		
04/17-01/25	LA 171 at Boone, Leesville, Louisiana Civil engineer responsible for designing the circular intersection to ensure safe and efficient traffic flow, which includes size, layout, and traffic attenuation features. Designed the drainage system to handle stormwater runoff, ensuring the roundabout does not become a flooding hazard during design period rain events according to LADOTD's HYDRWIN software. Coordinated with other stakeholders to implement the design, addressing concerns such as safety, landscaping, and signage.		
06/13-0-3/19	New Orleans Village De L'est Neighborhood, City of New Orleans, Louisiana Civil engineer responsible for roadway scoping and pavement rehabilitation design, preparing construction documents, cost estimation, and administering construction for urban local roadways. Tasks include assessing pavement damage, developing rehabilitation recommendations, and creating a comprehensive Project Scope Report with detailed plans and quantities. Scope of work for the project included various repairs such as milling and asphaltic concrete overlay, patching, driveway and sidewalk repairs, and utility adjustments.		
03/08-12/10	Leon Simon Road, New Orleans, Louisiana Civil engineer responsible for overseeing surveys, design, and plan preparation for the repair of 7.5 miles of overlays to urban roadways. Tasks include verification of project damage reports, design of various types of repair activities including milling, asphalt overlay, asphalt patching, concrete repairs, striping, ADA ramps, sidewalk repairs, catch basins, utility manholes, as well as preparing construction plans and specifications.		
03/08-12/10	Elysian Fields, New Orleans, Louisiana Civil engineer responsible for the assessment of the condition of the existing roadway section including roadway, drainage, and sidewalks. Tasks include evaluating condition of both asphalt and Portland cement concrete pavement condition, documenting visible utilities, designing required drainage improvements, and ensuring the roadway is restored to its original condition to relevant standards and regulations. Oversaw the preparation of construction documents, including plans, specifications, and cost estimates, to guide the rehabilitation work.		



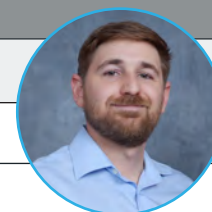
16. Staff Experience:			
Firm employed by: Stanley Consultants, Inc.			
Name	Jared Blohowiak, PE	Years of relevant experience with this employer	7
Title	Transportation Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering	
Active registration number / state / expiration date		46547 / LA / 09-30-2026	
Year registered	2022	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design)	
Jared has worked on numerous LADOTD projects providing design support, modeling, CADD and detail checks to ensure plan sets are in compliance with specifications and standards. He has been responsible for the creation of plan and profiles; typical section; drainage design; signing and striping layout; safety and roadside facilities; sequence of construction and development of quantities and cost estimates. Jared is an expert in applying design tools such as MicroStation, InRoads OpenRoads, CADConform and Bluebeam Revu to enhance efficiencies and project quality. His most recent work has included preparing models and development of detailed geometry for major freeways, urban roadways/complete streets and multi-lane roundabout roadways. Jared has his TCT, TCS, and Flagger certifications.			
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).		
09/18-04/22	LA 30 Roundabouts at Tanger I-10, Ascension Parish, Louisiana Assisted with all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, Louisiana. Assisted with QA of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.		
09/18-02/20	LA 1 Iberville P/L - Port Allen Canal B, West Baton Rouge Parish, Louisiana Engineer intern responsible for assisting with topographic survey field work. He assisted with the drafting of typical section sheets, quantity tables, guardrail layouts, miscellaneous detail sheets using MicroStation and performing quantity calculations. Following the Stanley Consultants QA/QC Plan, Jared is also responsible for designing guardrail layouts, quantity calculations and assisting with the development of cost estimates.		
08/24-Present	LA 44 I-10 Roundabouts, Ascension Parish, Louisiana Project engineer responsible for design assistance with a focus on drainage design for three multi-lane roundabouts along the LA 44 corridor at the heavily traversed I-10 interchanges in Gonzales, Louisiana.		
09/18-01/21	U.S. 61 Bluebonnet Boulevard to South End U.S. 190, East Baton Rouge Parish, Louisiana Engineer intern responsible for assisting with topographic survey field work. He assisted with the drafting of typical section sheets, quantity tables, guardrail layouts, miscellaneous detail sheets using MicroStation, and performed quantity calculations. Jared also assisted with the development of cost estimates. Responsible for following the Stanley Consultants QA/QC plan.		
09/18-04/22	I-12 LA 21 to U.S. 190, St. Tammany Parish, Louisiana Helped with drafting of typical section sheets, quantity tables, guardrail layout designs, plan/profile sheets, signing and striping sheets using CADConform and MicroStation. Responsible for designing guardrail layouts and quantity calculations. Jared also assisted with the development of cost estimates. Responsible for following the Stanley Consultants QA/QC plan.		
11/22-Present	LA 447 Roundabouts, Livingston Parish, Louisiana Assisted with collecting field data during a site visit as well as providing QA of typical sections, plan and profile sheets, and geometric details.		



16. Staff Experience:			
Firm employed by: Stanley Consultants, Inc.			
Name	Aidan Carter, PE	Years of relevant experience with this employer	2
Title	Transportation Engineer	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 2018 / Civil Engineering	
Active registration number / state / expiration date		#47566 / LA / 09-30-2027	
Year registered	2023	Discipline	
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design)	
Aidan has over five years of experience in performing road design and development of roadway plans for both LADOTD and Local roadway projects. During his time working for LADOTD's Road Design Section, Aidan became familiar with LADOTD's project delivery workflow as well as their design philosophy. He leverages work experiences to provide quality engineering services. Aidan has his TCT, TCS, and Flagger certifications.			
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).		
08/24-Present	LA 44 I-10 Roundabouts, Ascension Parish, Louisiana Project engineer responsible for design assistance with a focus on geometric design for three multi-lane roundabouts along the LA 44 corridor at the heavily traversed I-10 interchanges in Gonzales, LA.		
01/19-07/21	LA 44 Widening and Roundabout at LA 941, Ascension Parish, Louisiana Responsible for designing and modeling the north site of the project. He designed the vertical alignment for the roadway as well as the ditch grades on either side of the roadway. He computed quantities and generated a cost estimate. He was also responsible for using the permit project plan set to generate a rough model/surface where the permit project tied into. He was also responsible for all plan production that involved site 2. This project consisted of two different sites along LA 44. The sites straddled a permit project (permit # 61030699) that was being designed by a consultant. The north site consisted of Mill/Overlay, widening, installation of a center median/access management elements, and drainage work incidental to the roadway improvements. The south site consisted of the realignment of LA 941 and the installation of a three-legged multi-lane roundabout at the new intersection of LA 44 and LA 941.		
11/23-Present	LA 1088 Forest Brook Boulevard Roundabout, St. Tammany Parish, Louisiana Lead designer responsible plan production. The project includes the construction of a multi-lane roundabout at the intersection of LA 1088 and Forest Brook Boulevard in Mandeville, Louisiana. Drainage improvements will be made to accommodate the road work. This project is part of 3-mile corridor improvement plan, and straddles two other projects being designed simultaneously by other firms. Close coordination is required to ensure a product with consistent design intent and appearance. Mr. Carter is responsible for the design of horizontal/vertical geometry, drainage design, and corridor model. Mr. Carter is also responsible for the USACE permits required due to the project's proximity to the Coastal Protection Zone. Lastly, Mr. Carter is responsible for leading a small team in plan production in order to produce a clear set of construction plans that comply with LADOTD's CAD standards.		
04/23-Present	LA 447 Roundabouts, Livingston Parish, Louisiana QA/QC engineer responsible for review of horizontal roundabout geometry. This project is a corridor widening project along LA 447 in Walker, LA. The project includes widening the existing roadway as well as the design of two multi-lane roundabouts. The multi-lane roundabouts will service Buddy Ellis Road which provides connectivity to Juban Road and O'Donovan Blvd which is the only access for the local emergency room and Our Lady of the Lake Medical Plaza. Mr. Carter reviewed all horizontal geometry to ensure compliance with LADOTD's roundabout design standards as well as guidance set forth in NCHRP 1043. Mr. Carter also helped develop the geometric layout sheets, ensuring that they clearly and concisely communicated the roundabout design.		



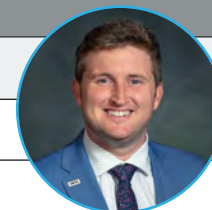
16. Staff Experience:			
Firm employed by: Stanley Consultants, Inc.			
Name	Aidan Eymard, PE	Years of relevant experience with this employer	.5
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering	
Active registration number / state / expiration date		#46220 / LA / 03-31-2026	
Year registered	2021	Discipline	Professional Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Roadway Design)	
Aidan manages transportation projects, including roundabouts, interstate widening bridge and replacements. He oversees design units, makes engineering decisions, manages projects, and reviews construction plans for quality assurance and quality control. Aidan is proficient in MicroStation, InRoads, ProjectWise, and Bluebeam, and is familiar with LADOTD processes. He has worked on projects such as H.010909 (LA 44 widening and roundabout at LA 941) and H.007300 (Kansas-Garrett Connection & I20 Improvements). Aidan's experience spans multiple roles at the Louisiana Department of Transportation and Development. He has performed work as a plan development engineer and road design engineer intern/engineer. In these roles, Aidan has developed expertise in computer-aided design, drainage design, item quantification, cost estimation and plan revisions. Aidan has demonstrated his capabilities through significant projects and achievements. He was the engineer of record for updating the DOTD Standard Plan for driveways and presented at the 2025 Louisiana Transportation Conference on design complexities and project coordination efforts during the plan development of H.007300.			
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).		
11/23-Present	LA 1088 Forest Brook Boulevard Roundabout, St. Tammany Parish, Louisiana Project manager responsible for providing oversight for all necessary engineering and related services with LADOTD coordination. Additionally, he is responsible for the quality and completeness of the design and construction plans.		
04/23-Present	LA 724 Roundabout at Landry Road, Lafayette Parish, Louisiana Project manager responsible for providing oversight for all necessary engineering and related services with LADOTD coordination. Additionally, he is responsible for the quality and completeness of the design and construction plans.		
10/24-Present	I-69 Frontage CPFF, Louisiana Project manager responsible for the overall project. His responsibilities include input on all aspects of the design. Additionally, he is responsible for management of the sub consultants, schedules, budgets, coordinating with LADOTD for stakeholders (the port, railroad, and others), and working with LADOTD to deliver the project.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Mira Para, PE	Years of relevant experience with this employer	6
Title	Senior Project Manager	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		BS / 1992 / Civil Engineering	
Active registration number / state / expiration date		#34990 / LA / 03-31-2027; #148242 / TX / 03-31-2026; #2002024483 / MO / 12-31-2026; #14417 / KS / 04-30-2027	
Year registered	LA 2009, TX 2023, MO 2002, KS 1997	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Hydraulic Analysis & Design)	
Mira is a project manager with over 33 years of experience in water, wastewater and storm drainage analysis and design, project management, and construction administration. He is a member of American Public Works Association (APWA), Water Environment Federation, Louisiana Water Environment Association (LWEA), and Society of American Military Engineers. He has served as President of the APWA Baton Rouge Branch Executive Board, President of the APWA Louisiana Chapter Executive Board, Secretary of the LWEA Collections Systems Committee and as a member of the national APWA Water Resources Management Committee. His positive reputation for creating high-quality designs complements his continued track record of project completion on schedule and within budget.			
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).		
09/19-Present	Retainer Contract for Design-Build and Other Alternative Delivery Support Services, Task Order #4, I-10/Loyola Interchange Improvement, New Orleans, Louisiana Engineer responsible for independent technical review of the drainage design on this alternative delivery project. This design-build project is providing a new interchange to allow direct access from I-10 to the new airport terminal at Louis Armstrong New Orleans International Airport located near Loyola Boulevard. A design-build team was selected in mid-2019 and construction began in early 2020.		
06/23-Present	Off-System Bridge Program - Task 2, East Baton Rouge Parish, Louisiana Senior engineer responsible for bridge hydrology and hydraulics and bridge scour analysis, preparation of bridge hydraulic report, and hydraulic design for final plans for the replacement of 10 bridges in East Baton Rouge Parish.		
11/23-03/25	Morgantown Industrial Park Access Road, Morgantown, West Virginia Task lead responsible for storm drainage system and detention basin design for roadway plans for the Morgantown Industrial Park. He was also responsible for bridge hydrology and hydraulics, design of bridge scour countermeasures, and a FEMA Conditional Letter of Map Revision for a major bridge over the Monongahela River in northern West Virginia.		
05/23-07/24	Alternative Delivery GEC WA4, I-10 White Oak Bayou, Houston, Texas Task lead responsible utility relocation design and utility deconfliction for final design plans and specifications for Inner Katy Corridor I-10 White Oak Bayou from Studemont Street to Houston Avenue. Design included relocation of a 16" water main and installation in steel casing pipe installed by jack-and-bore under the westbound ramp to I-10 at Taylor Street.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Daniel Tanner, PE	Years of relevant experience with this employer	6
Title	Project Manager	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BA / 2014 / Civil Engineering	
Active registration number / state / expiration date		#42793 / LA / 03-31-2027	
Year registered	LA 2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Hydraulic Analysis & Design)	
Daniel has experience with design and management of numerous civil works infrastructure projects throughout Louisiana, with a focus in water resources. This includes hydrologic and hydraulic modeling, detention pond analysis, storm drainage design, benefit-cost analysis, plan production, and construction administrative services. He has assembled multiple drainage studies and plan sets, and has design experience using the following software: GeoHEC-RAS, HEC-RAS, HEC-HMS, HEC-SSP, HEC-FDA, Aquaveo's SMS, LADOTD's Hydrwin, Bentley PondPack, StormCad, Autodesk Civil 3-D and Sanitary and Storm Analysis.			
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).		
03/19-Present	Stormwater Management Plan (SMP), East Baton Rouge Parish, Louisiana Project engineer and data collection task lead for the \$15 million SMP. The plan's purpose is to better manage the risk of food, protect people and property, maintain and enhance natural floodplains, effectively use water and related land resources, and provide clear guidance on development within the floodplain. The data collection effort included surface and subsurface asset assessment and documentation. Over 100,000 drainage structures and pipes (assets) were documented in an ESRI ArcGIS Online database. In addition, my responsibilities included the evaluation of data, HEC-RAS 2D modeling, risk analysis, cost estimating, plan outline, and report write-up documenting findings.		
03/19-08/19	USACE Modeling of Jones Creek Watershed, East Baton Rouge, Louisiana Engineer responsible for development of the hydrologic and hydraulic modeling of the Jones Creek watershed located in East Baton Rouge Parish. This included using hydrologic methodology outlined in Urban Hydrology for Small Watersheds TR-55 to develop a model using the USACE's HEC-HMS software. In addition to this hydrologic model, an unsteady state 1D/2D HEC-RAS model was developed that was linked to HMS runoff hydrographs and hyetographs.		
07/16-02/19	Buddy Ellis Road Bridge Replacement (Overlay Project), Livingston Parish, Louisiana Engineer responsible for performing drainage analysis of Taylor Bayou at the proposed bridge replacement at Buddy Ellis Road. Tasks included completing a hydrologic analysis of the Taylor Bayou watershed and developing a HEC-RAS hydraulic model for the channel at the proposed bridge replacement location. A LADOTD Bridge Replacement Hydraulic Report was created, which compared the existing and proposed project scenarios.		
12/16-02/19	Cook Road Project, Livingston Parish, Louisiana Engineer responsible for performing drainage analysis of Grays Creek at the proposed bridge replacement at the proposed Cook Road. Tasks included completing a hydrologic analysis of the Grays Creek watershed and developing a HEC-RAS hydraulic model for the channel at the proposed bridge replacement location. A LADOTD Bridge Replacement Hydraulic Report was created, which compared the existing and proposed project scenarios.		
07/19-Present	Ascension Parish Floodplain Management Plan, Ascension Parish, Louisiana Deputy project manager for \$2.6 million Floodplain Management Plan (FMP) development. His responsibilities included management of subconsultant progress for a parish-wide survey of the existing open channel system, H&H modeling, documentation of known flooding problems, and developing mitigation strategies and proposed projects. His everyday tasks included coordination of design criteria document, H&H modeling support of Bayou Manchac, Henderson Bayou and Bayou Conway basins, flood hazard identification, modeling proposed mitigation strategies, benefit costs analysis, coordination with the Parish and report write-up documenting all findings. This project will provide Ascension Parish with a plan that will transition smoothly into the implementation.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Kyle Babin, PE	Years of relevant experience with this employer	4
Title	Engineer III	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2021 / Civil Engineering	
Active registration number / state / expiration date		#50290 / LA / 09-30-2027	
Year registered	LA 2025	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Hydraulic Analysis & Design)	
Kyle serves as an engineer in HNTB's New Orleans office as a member of the Civil Works department focusing on stormwater and flood protection projects. He is strong in HECRAS 2D modeling software to develop watershed models depicting stormwater runoff and watershed behavior. He is also proficient in GeoHECRAS, HEC-FIA, ArcGIS, HEC-SSP, and Excel.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/21-01/23	Ascension Parish FMP, Ascension Parish, Louisiana As the H&H modeler on this project, he built three watershed models covering most Ascension Parish. This included modeling stormwater runoff for an array of events and analyzing the results from these models to develop projects to mitigate flooding and reduce risk. He assisted with running Cost/Benefit analysis of projects with project write-ups, developing the Floodplain Management Plan and writing the FMP Report.		
11/22-Present	Ascension Parish Drainage Program, Ascension Parish, Louisiana Heavily involved with grant management and grant writing. Experience writing grant applications for HMGP, LWI, and BRIC which included modeling proposed projects and performing benefit-cost analyses to meet criteria of prospective grants. Additionally, he helped manage current grants on behalf of the Parish.		
11/23-03/25	Off-System Bridge Replacement Program, Statewide, Louisiana Modeled 13 Off-System bridges utilizing HECRAS 1D modeling software and completed H&H reports for each bridge. H&H reports included background and history, hydrologic and hydraulic data collection and calculations, as well as proposed recommendations.		
06/20-08/20	Calcasieu River Saltwater Barrier Locks Dewatering, Lake Charles, Louisiana Assisted other field engineers in supervising and leading the dewatering of the Calcasieu River Saltwater Barrie lock. This entire project included the removal of the control gates, inspection and subsequent repair of the gates, and reintroducing the gates into the lock. This included daily oversight of work, following engineering plans and specs to ensure work was done correctly, and developing gate lift plans.		
08/21-04/23	Mississippi River Safety Program, Multiple Locations, Mississippi Performed walking inspections of over 200 miles of embankment levee/floodwalls/floodgates. This consisted of identifying, photographing and documenting any depressions, seepage, slides, burrows, missing sod cover, etc.		
09/23-04/24	Morgantown Industrial Park Access, Morgantown, West Virginia Assisted in the drainage design for the Morgantown Industrial Park Access bridge. Design components included bridge runoff, detention pond, ditch, culvert, and storm sewer system.		



16. Staff Experience:			
Firm employed by: Vectura Consulting Services, LLC			
Name	Brin Ferlito, PE, PTOE	Years of relevant experience with this employer	10
Title	Supervisor-Eng	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		BS / 1988 / Civil Engineering	
Active registration number / state / expiration date		#25383 / LA / 09-30-2027	
Year registered	LA 1993	Discipline	Civil
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Traffic Services)	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/21-Present	Computerized Traffic Signal, Phase VB, Baton Rouge, Louisiana Task leader for Vectura for the CE&I of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the LADOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.		
07/19-Present	New Capacity Projects Program Management, Baton Rouge, Louisiana Lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of LADOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.		
07/19-Present	Belle Chasse Bridge & Tunnel Replacement PPP, Belle Chasse, Louisiana Project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by LADOTD.		
09/20-12/21	LA 30 Roundabouts at Tanger I-10, Ascension Parish, Louisiana Project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, Louisiana. The project involves replacing three existing signalized intersections with multi-lane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.		
07/18-04/19	LA 1 Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Design, West Baton Rouge Parish, Addis, Louisiana Developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis. The study was based on LADOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on LADOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, LADOTD pay items, estimated quantities, and construction cost. He also assisted with the Parish with the LADOTD Permit Request for Intersection Control Devices on a State Right-of-Way.		



16. Staff Experience:	
09/17-04/18	U.S. 11 at U.S. 190 Bus. (Fremaux Avenue) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, Louisiana Developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on LADOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.
08/15-05/17	Enhancing Guidance for Evacuation Time Estimate Studies (Nuclear Regulatory Commission), Rockville, Maryland Conducted an applied research study of U.S. Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies" in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the "large" population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over eight hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.
04/14-12/14	Signal Design for N Sherwood Forest Drive Widening Project, Baton Rouge, Louisiana Project engineer responsible for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and LADOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	CE&I for EBR Traffic Signal Systems Jefferson Highway Construction, Baton Rouge, Louisiana Project resident engineer on behalf of EBR for performing CE&I services for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with LADOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR formats as well as all items on the EBR project closeout checklist.
07/08-09/09	CE&I for EBR Traffic Signal Systems Phase IV Construction, Baton Rouge, Louisiana Project resident engineer for LADOTD and EBR to perform CE&I services for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for LADOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with LADOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the LADOTD Project Closeout Checklist including the 2059 Report.
09/13-04/14	Jefferson Highway Signal Design, Baton Rouge, Louisiana Designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.

16. Staff Experience:			
Firm employed by: Vectura Consulting Services, LLC			
Name	Laurence Lambert, II, PE, PTOE, PTP	Years of relevant experience with this employer	10
Title	Supervisor-Eng	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		MBA / 2010; MS / 2006 / Civil Engineering; BS / 1997 / Civil Engineering (Transportation focus)	
Active registration number / state / expiration date		#29901 / LA / 03-31-2026	
Year registered	LA 2001	Discipline	Civil
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Traffic Services)	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
12/23-08/24	South Range Road Operations Study Stage 0 Feasibility Study, Tangipahoa Parish, Louisiana Principal-in-Charge for a Stage 0 for the Regional Planning Commission (RPC) to evaluate operating conditions of the S. Range Road corridor that included the intersection with Old Covington Highway. The corridor study included traffic data collection, pedestrian / bicycle counts, safety analysis, existing conditions analysis and alternative analysis. The results were summarized in a Stage 0 report.		
07/23-11/23	Crescent City Connection (CCC) Decorative Lighting Level 4 Traffic Management Plan (TMP), New Orleans, Louisiana Project manager for a Level 4 TMP for the CCC. Laurence oversaw the lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots". The results were summarized in a report that was reviewed by LADOTD.		
04/23-10/23	I-12 U.S. 61 Bridges Girder Repairs, Baton Rouge, Louisiana Project manager for a Level 2 TMP for the interchange of I-12 at US 61. Laurence performed QA/QC for a lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots" where Laurence also performed QA/PC. The results were summarized in a report that was reviewed by LADOTD.		
04/18-12/21	LA 30 Roundabouts at Tanger and I-10 Gonzales, Ascension, Louisiana Quality control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30 percent and 60 percent plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.		
04/18-12/21	4 Roundabout U.S. 171 at Boone Street, Vernon Parish, Louisiana Quality control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30 percent and 60 percent plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.		
02/20-09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, Louisiana Project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from LADOTD was required. Vectura collected, turning movement counts, 85 percent speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.		
01/23-02/24	Alexandria ITS Phase 2, Louisiana Project manager for a System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan for the Alexandria area.		



16. Staff Experience:	
10/21-03/22	I-10 ITS Scott to Lake Charles, Southwest Louisiana Lead traffic engineer for a Level 2 TMP for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies
09/18-02/19	I-110 ITS Deployment Systems Engineering Analysis, Louisiana Task leader for the Constraints & Alternatives Analysis as well as the Projects & Procurement Strategy portion of the project. The goal of the project was to deploy CCTV cameras and one dynamic message sign along the I-110 corridor from U.S. 190 to U.S. 61. To communicate with the field devices from the Traffic Management Centers (TMCs), installing fiber optics along the I-110 corridor was recommended. The fiber optics also allow communication to the traffic signals at the interchange ramps along I-110 to the TMC.
06/12-12/12	Ramp Metering Study of I-10 Segment, East Baton Rouge and Ascension Parishes, Louisiana Project manager who conducted a feasibility study to deploy ramp meters along the Interstate 10 (I-10) Corridor in Baton Rouge between Dalrymple Drive and LA 73. The study consisted of analyzing 17 on-ramps under differing design conditions, which include the following: 2010 Existing, 2012 Without Ramp Meter, 2012 Ramp Meter, and 2012 Ramp Meter with Recommendations. Laurence's role in this project as project manager was to oversee all QA / QC measures and interpret the results from the model. Laurence coordinated with the local agencies to obtain all current proposed projects in the area, which included LADOTD I-10 Widening Project Phases 1 and 2, the Green Light Plan (GLP) Essen Lane Widening Project, and the GLP Highland Road Widening Project.
09/16-04/17	I-12 To Bush - LA 3241 (I-12 - LA 36) Corridor Study, St. Tammany Parish, Louisiana Lead traffic engineer for a LADOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with SOPs typically performed in these types of analyses. He worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest LADOTD policies related to access management. He collected seven-day, 24-hour counts with classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. He also developed a VISSIM traffic simulation model of the preferred alternative.
04/11-09/11	U.S. 90 at Louisiana 85 Design-Build Maintenance of Traffic Plan, Iberia Parish, Louisiana Lead traffic engineer for one of the first design-build projects undertaken by LADOTD, which included the construction of a grade separated, diamond interchange to replace the existing U.S. 90 intersections with Louisiana 85 in Iberia Parish to upgrade this future I-49 corridor to interstate standards. He developed a maintenance of traffic plan that accommodated the bridge and road widening, but also maintain passage of large trucks and freight through the heavily traveled corridor crucial for agricultural goods and farming.

16. Staff Experience:			
Firm employed by: Vectura Consulting Services, LLC			
Name	Reece Rodrigue, PE, PTOE, RSP1	Years of relevant experience with this employer	5
Title	Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2013 / Civil Engineering	
Active registration number / state / expiration date		#42074 / LA / 03-31-2026	
Year registered	LA 2017	Discipline	Civil
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Traffic Services)	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/21-Present	Direct Select for Traffic Signal Design, Baton Rouge, Louisiana Project engineer for the design of traffic signal upgrades at 10 intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.		
06/23-Present	Connected & Autonomous Vehicles (C/AV) Team and Working Group Support, Louisiana Member of the team to develop new policies and legislation related to C/AV.		
06/23-Present	Monroe Phase 3 SEA, Louisiana Visited the project site to document the controller type and detection needs at each signalized intersection within the right-of-way.		
07/21-Present	Computerized Traffic Signal, Phase VB, Baton Rouge, Louisiana Part of the team responsible for CE&I. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the LADOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.		
01/23-02/24	Alexandria ITS Phase 2, Louisiana Project engineer for a site visit, System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan.		
06/22-02/23	ITS Fiber Management System Data Collection, Louisiana Performed the field observations for 40 sites to verify the ITS FMS and inventory services.		
04/20-Present	Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project, Belle Chasse, Louisiana Responsible for designing the temporary traffic signal for the intersection of LA 23 at Engineers Rd. for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with LADOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the TMP that was also used in planning for the permanent and temporary signal timing plans. Reece was also responsible for producing the permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated stop bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.		
11/21-12/21	Emergency Street Light and Traffic Sign Assessment, New Orleans, Louisiana Inspected streetlights and street signs to report damage using the City's ArcGIS Online Organization and ArcGIS Field Maps app. The assessment area was approximately 2.5 miles by 2 miles area in the City of New Orleans.		



16. Staff Experience:	
1/21-05/21	I-10 ITS Scott to Lake Charles, Lafayette, Acadia, and Jefferson Davis Parishes, Louisiana Member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using DOTD's Bid Tabulation and Cost Estimating Tool.
09/20-12/21	LA 30 Roundabouts at Tanger I-10, Ascension Parish, Louisiana Design engineer who is assisted in the production of the temporary signal design associated with the sequence of construction for the roundabouts on LA 30 in Gonzales, Louisiana. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20-12/21	4 Roundabout U.S. 171 at Boone Street, Vernon Parish, Louisiana Essential design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabout at U.S. 171 at Boone Street. He conducted a thorough analysis of the U.S. 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
11/21-12/21	Emergency Street Light and Traffic Sign Assessment, New Orleans, Louisiana In response to the damage caused by Hurricane Ida, Reece inspected streetlights and street signs to report damage using the City's ArcGIS Online Organization and ArcGIS Field Maps app. The assessment area was approximately 2.5 miles by 2 miles area in the City of New Orleans.
2/20-09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, Louisiana Task leader for organizing and formatting the data collection of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian/bicycle counts, and weaving counts.
07/19-12/19	Burgess Avenue at Duff Road Traffic Signal Design, Walker, Louisiana Responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, Louisiana. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16-12/16	U.S. 190 Superstreet Task Order, St. Tammany, Louisiana Team member responsible for the layouts for the US 190 Superstreet signal designs. He created the preliminary plans using CAD software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16-11/17	Ochsner Main Campus Traffic Signals, Jefferson Parish, Louisiana Design engineer for the traffic signal plans for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the U.S. 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of LADOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16-05/17	Loyola Interchange Modification Request, Kenner, Louisiana Team member in the production of an Interchange Modification Report for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15-12/15	Retainer Contract for District 02 Traffic Signal Inventories - Nola 3, Louisiana Lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the U.S. 90 (Broad Street) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in LADOTD's TSI format.

16. Staff Experience:			
Firm employed by: Vectura Consulting Services, LLC			
Name	Kristen Farrington, PE, PTOE, RSP	Years of relevant experience with this employer	4
Title	Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering	
Active registration number / state / expiration date		#42785 / LA / 03-31-2027	
Year registered	LA 2018	Discipline	Civil
Contract role(s) / brief description of responsibilities		Road Design & Traffic Services (Traffic Services)	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
12/23-Present	South Range Road Stage 0, Tangipahoa Parish, Louisiana Project manager for a Stage 0 project to improve operations on South Range Road. The project included data collection, existing conditions analysis, safety analysis, and alternatives development.		
05/23-05/24	U.S. 190B/Fremaux Ave Sidewalk Feasibility Study, Slidell, Louisiana As a subconsultant to Richard C. Lambert Consultants, LLC, project manager for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.		
04/22-11/23	Capital Area Pathways Project, Baton Rouge, Louisiana Lead designer for four pedestrian hybrid beacons (PHB's) with two crossings located on state routes. The locations were approved in a previous study and are now under design for construction. Kristen is working closely with the City and LADOTD on the construction plan development as PHB's are a new traffic control device for LADOTD. Prior to the design of the PHB's, Kristen prepared a traffic study evaluating all six uncontrolled crosswalks along the path, which included data collection and determining the appropriate treatment for each crossing location based on FHWA, LADOTD, and MUTCD guidance.		
09/17-09/18	LA 73 Corridor Study Stage 0 (LA 74 to LA 621), Ascension Parish, Louisiana Designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.		
04/18-04/19	I-49 at U.S. 190 and LA 31 Interchange Improvements Stage 0, St. Landry Parish, Louisiana Project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the DOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps.		
04/19-06/21	A 117 Improvements Stage 0, Vernon and Natchitoches Parishes, Louisiana Project engineer responsible for a Stage 0 study for 18 miles of two-lane highway. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project.		



16. Staff Experience:	
03/19-11/19	LA 429 Connector Stage 0, Ascension Parish, Louisiana Task leader for the preparation of a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18-03/21	LA 3040 Feasibility/Safety Study Stage 0, Houma, Louisiana Project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to LADOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as unmet demand observations and calculations. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18-04/19	I-49 at U.S. 190 and LA 31 Interchange Improvements Stage 0, St. Landry Parish, Louisiana Project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with U.S. 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17-09/18	LA 73 Corridor Study Stage 0 LA 74 to LA 621, Ascension Parish, Louisiana Designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16-07/17	Cane River Bridge Church Street Route LA 1-X Environmental Assessment, Louisiana Project engineer responsible for assisting with the site visits, data organization, analysis of permanent alternatives and traffic control alternatives, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement.

16. Staff Experience:			
Firm employed by: Forte & Tablada, Inc.			
Name	Bradley Holleman, PLS, PE	Years of relevant experience with this employer	4
Title	Senior Vice President, Survey/Advanced Measurements & Modeling	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		BSCE /2009 / Civil Engineering	
Active registration number / state / expiration date		PLS: #5082 / LA / 09-30-2026 PE: #47165 / LA / 03-31-2027	
Year registered	PLS: LA 2012 PE: LA 2022	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities		Surveying & Title Work Services (Topographic Surveying), MPR #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).		
12/21-Present	LADOTD IDIQ Contract for Professional Surveying Services, Statewide, Louisiana Surveyor-in-Charge 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.		
08/23-Present	IJA Off-System Bridge Program, 10 State Project Numbers (13 Bridge Sites), East Baton Rouge Parish, Louisiana Principal-in-Charge for topographic surveying and right-of-way mapping services for 13 bridge sites on two-lane roadways.		
06/21-Present	Rural Bridge Replacement Initiative Phase II, 5 State Project Numbers (20 Bridge Sites), Statewide, Louisiana Principal-in-Charge for topographic surveying and right-of-way mapping services for 20 bridge sites on two-lane rural roadways for LADOTD.		
01/21-Present	I-49 Connector, Lafayette Parish, Louisiana 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-Present	I-10/Loyola Interchange Improvements, Kenner, Louisiana 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 Boulevard off ramp, as well as Loyola Avenue and portions of Veterans Boulevard for approximately 3.2 miles of roadway. Due to the compressed timeline of the Survey, a total of three Survey firms were contracted to split up the workload, with F&T serving as prime surveyor, being responsible for management and QA/QC of all survey work. 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 F&T is tasked with.		
01/22-12/22	Calcasieu River Bridge (HBI), Calcasieu Parish, Louisiana 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 six Survey Crews being mobilized in order to meet deadlines for each Phase.		
01/21-03/22	Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites), Statewide, Louisiana Principal-in-charge for topographic surveying and right-of-way mapping services for 22 bridge sites on two-lane rural roadways.		



16. Staff Experience:	
01/18-04/20	I-10 LA 415 to Essen Lane, East Baton Rouge Parish, Louisiana Surveyor-in-Charge for the topographic survey and 3-D 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.
05/18-04/19	I-10 Paris Road Lake Pontchartrain, New Orleans, Louisiana Surveyor-in-Charge for the topographic survey, 3-D 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.
06/17-06/22	Retainer Contract for Professional Surveying Services, Statewide, Louisiana Principal-in-Charge performing Topographic Surveys for LADOTD. 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.
06/16-02/17	Chef Menteur Pass Bridge, New Orleans, Louisiana Surveyor-in-charge for the topographic survey, 3-D 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, including all utilities with depths and all drainage required along with finished floor elevations of all buildings that fall within the survey limits.
09/14-02/15	LA 3139, New Orleans, Louisiana Surveyor-in-Charge for the topographic survey, 3-D laser scanning and existing drainage map. This project was for constructing a replacement span because of a damaged girder on the LA 3139 overpass over I-10. The work consisted of completing a topographic survey, according to the LADOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
12/14-03/16	LA 21 to LA 59, St. Tammany Parish, Louisiana Surveyor-in-Charge for the topographic survey, 3-D laser scanning and existing drainage map. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish. The work consisted of completing a topographic survey, according to the LADOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
09/13-03/14	Amite River Bridge Near French Settlement, French Settlement, Louisiana Surveyor-in-Charge for the topographic survey, 3-D laser scanning and existing drainage map. This project was for constructing a new bridge over Amite River in French Settlement Louisiana to the replace the existing swing bridge. The work consisted of completing a topographic survey, according to the LADOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
07/13-10/13	I-12 to Bush Route La 3241 Survey Control, Bush, Louisiana Surveyor-in-Charge for setting the primary static control and digital levels for future phases of the project. This project was for the construction of a new connecting route from Interstate 12 to Bush Louisiana. The work consisted of setting deep rod monuments along the proposed route and conducting over 40 miles of digital levels between the deep rod monuments.
01/13-09/13	Jefferson Highway Overpass, East Baton Rouge Parish, Louisiana Surveyor-in-Charge for the bridge monitor survey, topographic survey and existing drainage map. This project was monitoring and the overpass replacement of Jefferson Highway over Airline Highway in East Baton Rouge Parish. The work consisted of completing a topographic survey, according to the LADOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
05/12-09/12	Tchefuncte River Bridge, Tangipahoa Parish, Louisiana Surveyor-in-Charge for the topographic survey and existing drainage map. This project was for a bridge replacement over the Tchefuncte River in Tangipahoa Parish. The work consisted of completing a topographic survey, according to the LADOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.

16. Staff Experience:			
Firm employed by: Forte & Tablada, Inc.			
Name	Ross Wilson, PLS	Years of relevant experience with this employer	14
Title	Senior Professional Land Surveyor	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2010 / Geomatics	
Active registration number / state / expiration date		#5148 / LA / 03-31-2026; Certified Federal Surveyor (CFedS 1897)	
Year registered	LA 2015	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities		Surveying & Title Work Services (Topographic Surveying)	
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-Present	IJA Off-System Bridge Program, 10 State Project Numbers (13 Bridge Sites), East Baton Rouge Parish, Louisiana Surveyor-in-Charge for topographic surveying and right-of-way mapping services for 13 bridge sites on two-lane roadways.		
12/21-Present	LADOTD IDIQ Contract for Professional Surveying Services, Statewide, Louisiana Surveyor-in-charge performing Topographic Surveys for LADOTD. This contract showcases Mr. Wilson's familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. To date, this IDIQ contract has included a total of nine 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-Present	Rural Bridge Replacement Initiative Phase II, 5 State Project Numbers (20 Bridge Sites), Statewide, Louisiana Surveyor-in-Charge for topographic surveying and right-of-way mapping services for 20 bridge sites on two-lane rural roadways.		
08/19-Present	I-10/Loyola Interchange Improvements, Kenner, Louisiana 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 Boulevard 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-Present	I-49 Connector, Lafayette Parish, Louisiana Survey manager/ surveyor-in-Charge 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. Forte and Tablada, Inc. was able to mobilize up to 4 Survey crews on this project, in order to meet phased deadlines. 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.		
05/21-12/22	Calcasieu River Bridge (HBI), Calcasieu Parish, Louisiana 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 six Survey Crews being mobilized in order to meet deadlines for each Phase.		



16. Staff Experience:	
06/17-06/22	Retainer Contract for Professional Surveying Services, Statewide, Louisiana Surveyor-in-charge performing Topographic Surveys for LADOTD. 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), Statewide, Louisiana Surveyor-in-charge for topographic surveying and right-of-way mapping services for 22 bridge sites on two-lane rural roadways.
01/20-10/20	Atchafalaya 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, West Baton Rouge and Iberville Parishes, Louisiana 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.
12/16-12/19	Retainer Contract for Professional Surveying Services, Statewide, Louisiana Surveyor performing Topographic Surveys for LADOTD. 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 5 separate Task Orders for 3 State Highway Projects. Survey tasks included Conventional Topo, Hydrographic Survey, LiDAR Survey, and producing Existing Drainage Maps.
01/18-06/19	I-10 LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes, Louisiana 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, St. James Parish, Louisiana 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 Forte and Tablada's capability of quick response to an emergency task order.
10/12-03/13	I-10 Highland to LA 73, East Baton Rouge and Ascension Parishes, Louisiana Survey manager for the topographic survey and Terrestrial LiDAR of approximately 7 miles to widen Interstate 10.

16. Staff Experience:			
Firm employed by: Forte & Tablada, Inc.			
Name	Rachel Waldroup, PLS	Years of relevant experience with this employer	10
Title	Senior Professional Land Surveyor	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2020 / Environmental Science; AAS / 2015 / Civil Surveying and Mapping	
Active registration number / state / expiration date		#5277 / LA / 09-30-2026	
Year registered	LA 2022	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities		Surveying & Title Work Services (Topographic Surveying)	
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-Present	IIJA Off-System Bridge Program, 10 State Project Numbers (13 Bridge Sites), East Baton Rouge Parish, Louisiana Surveyor for topographic surveying and right-of-way mapping services for 13 bridge sites on two-lane roadways.		
09/21-Present	LADOTD IDIQ Contract for Professional Surveying Services, Statewide, Louisiana Survey intern and surveyor performing property surveys, establishing existing right-of-way, right-of-way maps and title take-offs for LADOTD. Under this contract, a total of 22 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-Present	Rural Bridge Replacement Initiative Phase II, 5 State Project Numbers (20 Bridge Sites), Statewide, Louisiana Survey intern and surveyor for topographic surveying and right-of-way mapping services for 20 bridge sites on two-lane rural roadways.		
08/19-Present	I-10/Loyola Interchange Improvements, Kenner, Louisiana Survey CAD technician, Survey Intern, and Surveyor 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-Present	I-49 Connector, Lafayette Parish, Louisiana Survey CAD technician, survey intern, and PLS 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. F&T was able to mobilize up to 4 Survey crews on this project, in order to meet phased deadlines.		
05/21-12/22	Calcasieu River Bridge (HBI), Calcasieu Parish, Louisiana Survey intern and PLS 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.		
10/22-12/22	Lafayette Streetscape Survey Congress Street, Lafayette Parish, Louisiana Surveyor providing topographic survey, mobile LiDAR, and property survey for approximately a mile along a three-lane roadway in an urban area along Congress Street.		
08/20-03/22	Rural Bridge Replacement Initiative Phase I, 7 State Project Numbers (22 Bridge Sites), Statewide, Louisiana Survey intern for topographic surveying for 22 bridge sites on two-lane rural roadways.		



16. Staff Experience:	
03/21-12/21	Florida Boulevard Corridor Enhancement, East Baton Rouge Parish, Louisiana Survey intern for this project providing topographic surveying, mobile LiDAR, and drainage mapping services. This project is in a dense urban area and is approximately 4 miles long along a four-lane highway.
04/21-06/21	LA 397 Turn Lanes at Rice Mill, Calcasieu Parish, Louisiana Survey intern responsible for topographic surveying along two-lane rural roadways at the intersection of LA 397 and Joe Spears Road.
01/18-06/19	I-10 LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes, Louisiana 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.
11/18-04/19	LA 327 Spur Staring Lane Extension, East Baton Rouge Parish, Louisiana Survey CAD technician for a topographic and LiDAR survey, and drainage map for this project, being approximately 1.5 miles long, in between the intersections of LA 42 (Burbank Drive) and Staring Lane and LA 327 (Gardere Ln.) and LA 30. The purpose of the project is to create a connecting route from Gardere to the intersection of LA 42 and Staring Lane.
05/17-10/18	Belle Chasse Bridge and Tunnel (HBI), Plaquemines Parish, Louisiana Survey CAD technician for comprehensive topographic surveying, terrestrial LiDAR, hydrographic surveying, and drainage mapping for the Belle Chasse Bridge and Tunnel Replacement project for LADOTD. The survey included a four-lane highway, bridge, and tunnel within a dense urban area.
06/15-05/16	Buddy Ellis Road, Livingston Parish, Louisiana Survey CAD technician for Topographic and Utility Survey of Buddy Ellis Road from LA 1026 to 447, for approximately 3.5 miles. The project was for roadway improvements and a bridge replacement. The survey was along a two-lane roadway in a rural area.
06/15-04/16	Forrest Delatte Road Improvements and Bridge Replacement, Livingston Parish, Louisiana Survey CAD technician for Topographic and Utility Survey of Forrest Delatte Road from LA 16 to LA 1026, for approximately 1.786 miles. The project was for roadway improvements and a bridge replacement. The survey was along a two-lane roadway in a rural area.

16. Staff Experience:			
Firm employed by: Forte & Tablada, Inc.			
Name	Trent Iglehart	Years of relevant experience with this employer	2.5
Title	Senior CAD Technician	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		#4227009 / N/A / 07-14-2027	
Year registered	2019	Discipline	FAA Certified Remote Pilot
Contract role(s) / brief description of responsibilities		Surveying & Title Work Services (Hydrographic Surveying)	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/22-Present	Amite River Basin Commission Masterplan, Louisiana Project lead for Topographic and Hydrographic Surveys as the professional land surveying subconsultant under Dewberry providing comprehensive land surveying services. The goal of the scope of work is to provide Dewberry with detailed survey data on the Amite River, including a survey of the weir. The two main components necessary to understand the impacts of the Amite River include historical cross-sections of the river, and current conditions, which are determined by performing single-beam and multi-beam hydrographic surveys. Historical bathymetric data is digitized and modernized to allow for accurate comparisons with the current data. Sediment samples are also collected for further analysis to assess the riverbed's composition and stability.		
03/24-04/24	Hwy 47 Over Bayou Bienvenue, Emergency Bridge Replacement, St. Bernard/Orleans Parish, Louisiana Topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to the 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.		
06/23-08/23	LA 14 Over Delcambre Canal Hydrographic Survey and Underwater Acoustic Imaging, Iberia Parish, Louisiana Technician for the 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.		
07/23-09/23	Three Mile Lake Flood Reduction, Louisiana 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 3-D terrestrial laser scans of 4 bridges surrounding 3 Mile Lake.		
09/22-12/22	LADOTD IDIQ for Hydrographic Survey, Statewide, Louisiana 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.		
09/13-04/14	Amite River Bridge near French Settlement, Route LA 16, Livingston Parish, Louisiana 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.		
07/17-07/22	Retainer Contract for Surveying Services, Statewide, Louisiana CADD technician that contributed to multiple projects including topographic surveying and CAD drafting for I-10 Paris Rd Lake Pontchartrain in Orleans Parish, I-10 Loyola Interchange Improvements, LA 182 Barrow St. Bridge, I-10 to LA 1 Connector, U.S. 190 - LA 437 to U.S. 190 Phase 1, LA 73/U.S. 61 (Airline) - Essen Lane, U.S. 90 Pearl River Bridges HBI, U.S. 11 Norfolk Southern Railroad, Jefferson Highway Overpass, LA 91 Bayou Plaquemine Brule Bridge Replacement (including hydrographic survey), Hooper Road Widening, UP RR Corridor (Plaquemine), and LA 109 Gully Bridge.		



16. Staff Experience:			
Firm employed by: Gulf South Land Title Services, LLC			
Name	Roger Cutrer	Years of relevant experience with this employer	23
Title	Owner/Abstractor	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		High School Diploma / 1987	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Surveying & Title Work Services (Title Research and Reporting)	
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).		
02/13-07/14	Green Light Plan Roadway Improvement Projects, East Baton Rouge Parish, Louisiana Abstractor and coordinator for Phase I & Phase II. He created abstract reports and updates for various sites for this roadway widening and traffic light synchronization project.		
06/13-08/14	LA 44 Black Bayou Bridge, District 61, Ascension Parish, Louisiana Abstractor and coordinator for the Title Search Reports, Phases 1 and 2 of this project.		
03/10-08/11	LA 42 Widening and Improvements, Ascension Parish, Louisiana Abstractor and coordinator for the Title Search Reports, Phases 1 and 2 of this project.		
03/13-09/13	U.S. 190 Intersection Improvements at Eden Church Road, Livingston Parish, Louisiana Abstractor and coordinator for the Title Search Reports, Phases 1 and 2 of this project.		
08/12-09/13	LA 327 Bayou Paul Bridge, District 61, Iberville Parish, Louisiana Abstractor and coordinator for the Title Search Reports, Phases 1 and 2 of this project.		

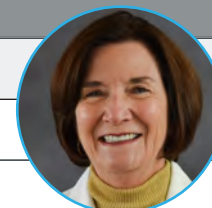
16. Staff Experience:			
Firm employed by: Gulf South Land Title Services, LLC			
Name	Drew Gaudet	Years of relevant experience with this employer	23
Title	Owner/Abstractor	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		BS / 1990 / Business Management	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Surveying & Title Work Services (Title Research and Reporting)	
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).		
02/13-07/14	Green Light Plan Roadway Improvement Projects, East Baton Rouge Parish, Louisiana Abstractor and coordinator for Phase I & Phase II. He created abstract reports and updates for various sites for this roadway widening and traffic light synchronization project.		
06/13-08/14	LA 44 Black Bayou Bridge, District 61, Ascension Parish, Louisiana Abstractor and coordinator for the Title Search Reports, Phases 1 and 2 of this project.		
03/10-08/11	LA 42 Widening and Improvements, Ascension Parish, Louisiana Abstractor and coordinator for the Title Search Reports, Phases 1 and 2 of this project.		
03/13-09/13	U.S. 190 Intersection Improvements at Eden Church Road, Livingston Parish, Louisiana Abstractor and coordinator for the Title Search Reports, Phases 1 and 2 of this project.		
08/12-09/13	LA 327 Bayou Paul Bridge, District 61, Iberville Parish, Louisiana Abstractor and coordinator for the Title Search Reports, Phases 1 and 2 of this project.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	April English	Years of relevant experience with this employer	12
Title	Planning Senior Project Manager	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		MS / 2007 / Biology; BS / 2000 / Biology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services	
April is a NEPA and environmental compliance specialist. She has experience in supervising and performing a full range of environmental assignments, including preparing environmental documents and biological and cultural permit applications, performing quality reviews for regulatory sufficiency and document readability, and directing extensive agency and public involvement activities. She has supervised and prepared numerous environmental studies including EISs, Supplemental EISs, Environmental Assessments (EAs), Categorical Exclusions (CEs) and Re-Evaluations (REs), as well as NEPA-like planning evaluations such as Planning and Environmental Linkage (PEL) studies.			
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).		
08/13-07/21	I-10 Calcasieu River Bridge (I-10/I-210 West to I-10/I-210 East), Calcasieu Parish, Louisiana Lead environmental planner on the proposed project, which extends along I-10 between the I-210 interchanges, approximately 9 miles. The project includes widening and the replacement or rehabilitation of the National Register of Historic Places eligible Calcasieu River Bridge. The project purpose is to address traffic congestion, safety, roadway/bridge design issues and system continuity. Role includes management of all aspects of the EIS process, including technical expertise for natural, human, and physical environment analyses.		
01/14-01/18	Baton Rouge Loop Tier 1 DEIS and Draft Section 4(f) Evaluation, Ascension, East Baton Rouge, Iberville, Livingston & West Baton Rouge Parishes, Louisiana Lead environmental planner involved in the preparation of the Tier I EIS for the proposed Baton Rouge Loop Toll Facility, which is proposed as a 90- to 105-mile circumferential controlled access free-flow toll roadway around Baton Rouge with two new Mississippi River crossings. Involved in the preparation of the DEIS, Final Environmental Impact Statement (FEIS) and ROD for this corridor-wide analysis. Involvement also included extensive agency coordination and public involvement efforts.		
01/15-01/17	Improvements to Marconi Drive, Martin Luther King, Jr. Boulevard, and Morrison Avenue PCE, New Orleans, Louisiana Environmental project manager for the projects, which include mill and overlay improvements and bike and pedestrian improvements to the referenced streets in the City of New Orleans, Louisiana. Role included preparing four PCE environmental documents. Included conducting natural resources evaluations, as well as physical and human environment determinations. Work also included coordination with LADOTD, Regional Planning Commission and the City of New Orleans Department of Public Works.		
01/22-03/24	SH 225 PEL Study, SH 225 from I-610 to SH 146 and I-610 from Clinton Drive to Broadway Street, Harris County, Texas Senior environmental planner on a PEL study for improvements to SH 225 and I-610 in Houston. SH 225 and I-610 are considered heavy freight corridors. SH 225 is a route used by the Port of Houston to carry goods to Texas and the United States as a whole. The corridor is a critical component to the economic success of the city, state and country. The SH 225 PEL process includes detailed roadway, environmental, traffic, and safety analyses of the corridor, with multiple levels of alternatives screening. Public, agency and stakeholder involvement are an integral part of the SH 225 PEL process. Involved in the constraints mapping and technical report preparation, technical reports such as the Framework and Methodology, and management of the environmental aspects of the project.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Lynn Maloney-Mujica, AICP	Years of relevant experience with this employer	6
Title	Senior Project Manager - Planning	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		MS / 2008 / Environmental Science; BS / 1976 / Liberal Arts	
Active registration number / state / expiration date		American Institute of Certified Planners / #20555 / National	
Year registered	LA 2006	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services	
Lynn is a certified planner whose most recent experience has focused on infrastructure projects. She began her career as a bilingual consultant in Puerto Rico and then later returned to her native Louisiana in 1998 to work as an economic/environmental planner for the Baton Rouge Planning Commission. Her master's thesis, "Comprehensive Planning in Louisiana," won the Martinez Award for outstanding thesis research in the Department of Environmental Sciences at LSU. As a consultant in the private sector for the last 20 years, she has worked for a wide range of city, parish, state, and federal agencies. Her expertise in NEPA analyses and documentation is broadly interdisciplinary and includes public outreach and stakeholder engagement as well as permitting required for these projects.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/18-Present	I-10 Calcasieu River Bridge Improvements EIS, Lake Charles, Louisiana Senior project manager responsible for EIS documentation, alternatives scoping and screening, technical team oversight, preparation and/or review of technical documents, public involvement, interagency coordination, and all other tasks related to completing the NEPA review. After the ROD was issued in January 2024, she has been engaged in a NEPA RE report that included bridge/culvert assessments for bats that are proposed for listing as Threatened by USFWS. She is currently providing oversight of the P3 developers related to NEPA, along with USCG, USACE, SHPO, and other agency permits and approvals.		
10/19-02/20	LA 1, Phase 2, Leesville to Golden Meadow, Louisiana Member of team that prepared an INFRA Grant application for funding to complete the elevation of 8 miles of roadway to protect America's premier oil production and distribution center against severe weather event disruptions. About 20 percent of the U.S. domestic energy production relies on this corridor. This application received \$135 million - the largest such award to date, and about 15 percent of 2020's INFRA Grant funds. Responsible for team coordination, editorial review, and obtaining 50 customized letters of support from local, regional, and national stakeholders.		
09/19-11/19	College Drive Flyover Ramp, Baton Rouge, Louisiana Responsible for coordinating the open house public meeting to provide information and collect comments on a flyover ramp designed to improve traffic flow within the I-10/I-12 westbound interchange. Responsible for developing exhibits, looping presentation, and other meeting materials, addressing comments, and producing the meeting transcript.		
08/24-Present	East Baton Rouge Parish Off-System Bridges, Baton Rouge, Louisiana Environmental lead for NEPA reviews and approvals included Tricolored Bat Bridge assessments and oversight of Section 106 and Section 404 permits.		
09/23-Present	Baton Rouge and Gonzales Train Stations, Baton Rouge, Louisiana Senior project manager for technical studies, public involvement, and agency coordination for two passenger train stations being funded by a RAISE grant. A Section 106 survey report for historic sites and archeological resources has been prepared. The next steps include traffic, noise, air quality, and natural resource analyses followed by stakeholder engagement.		



16. Staff Experience:			
Firm employed by: HNTB Corporation			
Name	Raegan Ball	Years of relevant experience with this employer	<1
Title	Senior Project Manager - Planning	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		BS / 2004 / Applied Biological Science	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services	
Raegan is a seasoned environmental and transportation professional with over 19 years of experience in NEPA project management, environmental compliance, and interagency coordination. She specializes in the review and preparation of environmental documentation, including evaluations of historical significance under Section 106 of the National Historic Preservation Act. Ms. Ball has completed formal training in Section 106 and has extensive experience reviewing wetland delineations and threatened and endangered species surveys. Her career spans leadership roles in multiple FHWA Divisions, where she has directed environmental reviews for high-profile infrastructure projects and developed programmatic agreements to streamline compliance.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
11/22-04/25	I-10 Calcasieu River Bridge Project, Lake Charles, Louisiana – As environmental lead and FHWA representative, she has directed environmental coordination for one of Louisiana’s most complex NEPA efforts. She led interagency collaboration through the FEIS and ROD, resolving longstanding issues and achieving critical federal milestones. The project includes widening and the replacement or rehabilitation of the National Register of Historic Places eligible Calcasieu River Bridge.		
11/22-04/25	Louisiana Division - Deputy Division Administrator, Louisiana Served as second-in-command for the FHWA Louisiana Division, overseeing federal compliance for state and local transportation projects. She provides strategic direction on NEPA, permitting, and environmental decision-making, and represents FHWA in negotiations with LADOTD and resource agencies. Her role includes guiding environmental reviews, resolving interagency coordination issues, and ensuring timely delivery of major infrastructure projects such as the I-10 Calcasieu River Bridge.		
12/12-11/22	Missouri Division – Program Development Team Leader, Missouri Led the environmental program for FHWA Missouri Division, managing NEPA compliance for both state and local public agency (LPA) projects. She developed programmatic agreements with MoDOT and SHPO to streamline Section 106 reviews and reduce delays. Her work included mentoring staff, overseeing environmental documentation, and integrating environmental risks into Missouri’s risk-based oversight framework.		
03/10-12/12	Nebraska Division – Environmental Protection Specialist, Nebraska NEPA and environmental compliance lead for FHWA Nebraska Division, supporting NDOT and LPAs. She led the development of programmatic agreements and tools to improve consistency in environmental reviews. Her work included accelerated NEPA clearance for emergency repair projects and coordination of ESA consultations, including a nationally recognized biological matrix.		
10/06-02/10	Arizona Department of Transportation (ADOT) – Environmental Planner, Arizona Managed NEPA documentation for federally funded local government projects. She led environmental reviews for ARRA-funded projects, developed process improvements, and conducted training for local sponsors. Her responsibilities included reviewing wetland delineations, endangered species surveys, and Section 106 documentation, while coordinating with regulatory agencies and supporting public involvement.		



16. Staff Experience:			
Firm employed by: ELOS Environmental, LLC			
Name	Basile Dardar	Years of relevant experience with this employer	8
Title	Environmental Scientist/Project Manager	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		Biological Sciences	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services; MPR #14	
Basile's responsibilities at ELOS have included assisting with phase I and phase II cultural resources surveys, mitigation bank monitoring, endangered species monitoring, and performing wetland delineations. He has performed several wetland delineations, which entail conducting field investigations with the purpose of collecting and processing data. Basile has also assisted with mitigation bank monitoring efforts as well as bat surveys, including acoustical surveys of tri-colored bat.			
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).		
07/21-03/22	Rousseau Bridge Replacement, St. Tammany Parish, Louisiana Environmental scientist who coordinated with government agencies to obtain permits. Also, performed wetland delineation and submitted the report to USACE. Coordinated with the GIS team to produce maps for permit applications.		
08/20-07/21	Rural Bridge Initiative, Jesse B Road over Bayou Mallet, Louisiana Performed fieldwork and managed projects. This bridge project included a wetland delineation and permit applications.		
08/20-07/21	Rural Bridge Initiative, Sandy Creek Bridge, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation and permit applications.		
08/20-08/23	Rural Bridge Initiative, Beamow Road over Bayou Maringouin, Louisiana Assisting with fieldwork and managed projects. This bridge replacement project includes a wetland delineation and permit applications.		
08/20-07/21	Rural Bridge Initiative, Sligo Road over Walter Creek, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation and permit applications.		
08/20-08/23	Rural Bridge Initiative, Carpenters Bridge Road over Whiskey Chitto Creek, Louisiana Assisting with fieldwork and managed projects. This bridge replacement project includes a wetland delineation, permit applications, and threatened and endangered species survey.		
08/20-03/22	Rural Bridge Initiative, Reeds Bridge Road Over Calcasieu River Relief, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.		
08/20-01/22	Rural Bridge Initiative, Unnamed Waterway Route, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.		



16. Staff Experience:	
08/20-09/21	Rural Bridge Initiative, LA 321 Creek Bridges, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-09/21	Rural Bridge Initiative, LA 404 Bayou and Canal Bridges, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation and permit applications.
8/20-02/22	Rural Bridge Initiative, LA 717 Klondike Canal and Bayou Bridges, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-03/22	Rural Bridge Initiative, LA 376 Bayou Bridges, Louisiana Assisting with fieldwork and managed projects. This bridge replacement project includes a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-01/22	Rural Bridge Initiative, LA 10 SPUR, LA 1042 Bridges, Near Greensburg, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation and permit applications.
08/20-03/22	Rural Bridge Initiative, LA-0016/Wright's Creek, Holden's Creek, Unnamed Drain, Talley's Creek, Berry's Creek, Louisiana Assisting with fieldwork and managing projects. This bridge replacement project includes a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-01/22	Rural Bridge Initiative, LA 1074, LA 1075 Bridges, Near Rio, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-09/21	Rural Bridge Initiative, Graybow Road/Palmetto Creek, Louisiana Assisted with fieldwork and coordinated with agencies. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-01/22	Rural Bridge Initiative, Loc Road over Borrow Pit, Louisiana Performed fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.

16. Staff Experience:			
Firm employed by: ELOS Environmental, LLC			
Name	Lucas Watkins	Years of relevant experience with this employer	18
Title	President / Environmental Scientist	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		MS / 2005 / Biological Sciences; BS / 2000 / Forest Management	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services	
Lucas is the President and founding President of ELOS. His experience includes environmental regulatory compliance and project management. This involves managing large-scale, multi-faceted projects, such as government grant management, complex construction projects, disaster recovery debris removal efforts, and wetland restoration implementation. His key strengths include wetland delineations, wetland permitting, wetland restoration, NEPA compliance, ASTM Phase I Environmental Site Assessments (ESAs), stormwater management, FERC regulatory overview and guidance, endangered species surveys, and timber and forest management. He has substantial experience in permitting municipal infrastructure, levees, borrow pits, oil and gas exploration, productions, and transmission activities, as well as working on other public and private sector environmental-related issues.			
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).		
11/17-Present	Move Ascension Phases I, II, & III, Ascension Parish, Louisiana Assisting with planning for complex projects, developed wetland mitigation and other feasibility options, and reviewed permit applications to state and federal agencies. ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways throughout Ascension Parish.		
11/23-Present	Roundabout at Minnesota Park and Range Road, Tangipahoa Parish, Louisiana Providing strategic direction and leadership to the consulting team to ensure alignment with project objectives and regulatory requirements. He monitors the project timelines, milestones, and budgets to ensure timely delivery of environmental assessments that align with overall project schedules. ELOS is contracted to complete a wetland delineation report to obtain a jurisdictional determination from the USACE, submit a permit application, if necessary, as well as assist with a Categorical Exclusion (CATEX), Phase I ESA, and the solicitation of views (SOVs) for the roundabout project at the intersection of Minnesota Park and Range Road, covering 2.5 acres in Tangipahoa Parish.		
07/22-Present	Mickens Road, East Baton Rouge Parish, Louisiana Reviewed the wetland delineation report, coordinated staff for the Phase I ESA tasks, reviewed final reports, and consulted with the Parish leadership. ELOS is contracted to provide environmental services for a 2.8-mile-long roadway improvements project on Mickens Road from Hooper Road to Joor Road in East Baton Rouge. Services included a wetland delineation, a Phase I ESA, and a permit application to USACE.		
06/17-09/2018	I-10 Highland to LA 73 Design Build, East Baton Rouge Parish, Louisiana President on this project overseeing all aspects of the project to ensure efficiency and quality work. ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville.		



16. Staff Experience:	
04/16-03/20	LA 3234 Extension to Hammond Airport Environmental Assessment, Tangipahoa Parish, Louisiana President in charge of overseeing this project and provided guidance along the way. He reviewed the wetland delineations for the three possible routes and final reports as well as the Phase I Environmental Site Assessment. ELOS was contracted to provide environmental services for the LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs, where ELOS estimated the cost of mitigating any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation.
06/20-07/22	Rural Bridges Phases I & II, Statewide, Louisiana Ensured that all phases of the project adhere to federal and state environmental regulations, including NEPA and state-specific environmental laws. He facilitates effective communication among LADOTD officials, environmental organizations, and other stakeholders to address concerns and maintain transparency throughout the project. ELOS has been contracted to provide environmental services for the LADOTD Rural Bridge Replacement Initiative projects in six districts across the state.
03/22-06/24	Rousseau Bridge Replacement, St. Tammany Parish, Louisiana Directed the comprehensive assessment of potential environmental impacts related to transportation infrastructure projects. He ensured the accuracy, completeness, and integrity of environmental reports and documentation submitted to regulatory agencies for review and approval. ELOS was contracted to provide professional environmental for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish.
01/24-Present	Marvin Braud Pump Station and Levee System Improvements, Ascension Parish, Louisiana Worked on the environmental assessment and Statement of Views, reviewed the FEMA requirements for NEPA clearance, and coordinated with the regulatory agencies. ELOS is contracted to perform an environmental assessment, a wetland delineation, a Section 106 desktop review, and joint permit applications for the Marvin Braud pump station and levee system improvements funded through the FEMA Hazard Mitigation Grant Program. The improvements include upgrades to the pump station, tying the pump station into the north and south levees, and elevating the North, West, and Laurel Ridge levees.

16. Staff Experience:			
Firm employed by: ELOS Environmental, LLC			
Name	Brian Fortson	Years of relevant experience with this employer	13
Title	Senior Ecologist	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		Juris Doctorate / 2006 / Civil Cum Laude; BS / 1995 / Wetland Ecology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services	
Brian has over 30 years of environmental experience in providing technical expertise and environmental knowledge to ELOS personnel through managing and permitting various complex developmental infrastructure projects. Brian serves as the senior environmental scientist at ELOS, working with regulatory agencies such as USDA, NRCS, FEMA, USACE, LADNR, and LDEQ. Brian's knowledge of state and federal environmental regulation and his years of experience enables him to navigate the permitting process. Brian provides senior guidance to the environmental scientists at ELOS on plant identification and threatened and endangered species 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).		
05/17-07/17	Kings Road Bridge Replacements, Bogalusa, Louisiana Senior environmental scientist responsible for environmental compliance for the replacement of the bridge over Wrights Creek in northern St. Tammany Parish. Supervised field investigations and impact analyses for natural and cultural resources. He prepared the Gopher Tortoise Inspection Report and coordinated with US Fish and Wildlife Service to secure concurrence on a finding of no effect.		
08/22-08/24	Rousseau Bridge Replacement, St. Tammany, Louisiana Environmental lead who assisted in the assessment of the environmental impact on of the bridge replacement.		
10/23-Present	Off System Bridge Program, East Baton Rouge Parish, Louisiana Senior environmental scientist responsible for environmental compliance for the replacement of the bridge. Supervised field investigations and impact analyses for natural and cultural resources. Coordinated with project manager to keep the project on schedule.		
09/20-08/24	Rural Bridges, Phases I & II, Statewide, Louisiana Senior environmental scientist who assisted the entire team by gathering all information for project and centralizing the data in spreadsheets. Reviewed Permit applications and assisted with agency requests for additional information.		
05/21-05/22	STP Chris Kennedy RD Bridge Replacement, St. Tammany Parish, Louisiana Assisted with internal teams to provide Cultural Resource services for the Lock No. 2 Bridge replacement located on approximately 4.83-acres in St. Tammany Parish. ELOS was contracted to provide Section 106 of NHPA, Terrestrial Phase I Culture Resource Survey and Cultural Resource Assessment No Findings report.		
09/22-Present	IJA Off-System Bridges District 62, Louisiana This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, and reports, and write navigability determination reports. Mr. Fortson has reviewed the findings reports prior to client submission.		



16. Staff Experience:			
Firm employed by: ELOS Environmental, LLC			
Name	Cory Ricks	Years of relevant experience with this employer	8
Title	Project Manager / Environmental Scientist	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2015 / Biology	
Active registration number / state / expiration date		R-I-99273-17-01464	
Year registered	2017	Discipline	proActive Safety Services Renovator Initial
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services	
Cory serves as ELOS's wetland delineation specialist and he has led wetland delineation efforts for multiple projects for local development, mitigation banks, and infrastructure developments. He has provided assistance with NEPA documentation, permitting, wetland delineations, GIS mapping, and cultural resources for a variety of projects. He currently manages a team of environmental scientists, field biologists, and data processors who all assist on a variety of environmental and debris monitoring projects.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
10/23-08/24	Off System Bridge Program, East Baton Rouge Parish, Louisiana Performed project management coordinating with client and developing SOW and budgets for the project. Worked closely with client to make sure all expectations were met.		
07/21-08/24	Rousseau Bridge Replacement, St. Tammany Parish, Louisiana Project manager/environmental scientist who coordinated with government agencies to obtain permits to authorize the debris removal from parish waterways. He conducted wetland delineations, obtained and recorded data for damage survey reports, and managed personnel to ensure project was completed on time.		
08/20-07/21	Rural Bridge Initiative, Jesse B Road over Bayou Mallet, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation and permit applications.		
8/20-7/21	Rural Bridge Initiative, Sandy Creek Bridge, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation and permit applications.		
08/20-03/22	Rural Bridge Initiative, Beamow Road over Bayou Maringouin, Louisiana Assisting with fieldwork and managed projects. This bridge replacement project includes a wetland delineation and permit applications.		
8/20-7/21	Rural Bridge Initiative, Sligo Road over Walter Creek, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation and permit applications.		



16. Staff Experience:	
08/20-03/22	Rural Bridge Initiative, Carpenters Bridge Road over Whiskey Chitto Creek, Louisiana Assisting with fieldwork and managed projects. This bridge replacement project includes a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-03/22	Rural Bridge Initiative, Reeds Bridge Road Over Calcasieu River Relief, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-01/22	Rural Bridge Initiative, Unnamed Waterway Route, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-09/21	Rural Bridge Initiative, LA 321, Creek Bridges, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-09/21	Rural Bridge Initiative, LA 404, Bayou And Canal Bridges, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation and permit applications.
8/20-02/22	Rural Bridge Initiative, LA 717, Klondike Canal And Bayou Bridges, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-Present	Rural Bridge Initiative, LA 376, Bayou Bridges, Louisiana Assisting with fieldwork and managed projects. This bridge replacement project includes a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-01/22	Rural Bridge Initiative, LA 10 SPUR, LA 1042 Bridges, Near Greensburg, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation and permit applications.
08/20-Present	Rural Bridge Initiative, LA-0016/Wright's Creek, Holden's Creek, Unnamed Drain, Talley's Creek, Berry's Creek, Louisiana Assisting with fieldwork and managing projects. This bridge replacement project includes a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-01/22	Rural Bridge Initiative, LA 1074, LA 1075 Bridges, Near Rio, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-09/21	Rural Bridge Initiative, Graybow Road/Palmetto Creek, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.
08/20-01/22	Rural Bridge Initiative, Loc Road over Borrow Pit, Louisiana Assisted with fieldwork and managed projects. This bridge replacement project included a wetland delineation, permit applications, and threatened and endangered species survey.

16. Staff Experience:			
Firm employed by: ELOS Environmental, LLC			
Name	Christopher Wilson, RPA	Years of relevant experience with this employer	1
Title	Archaeologist	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		AMA / 2023 / Art History and Curatorial Studies; MA / 2022 / Archaeology; BA / 2021 / Art and Archaeology	
Active registration number / state / expiration date		#5660	
Year registered	2023	Discipline	Archaeology
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services; MPR #12	
Christopher is a Registered Professional Archaeologist (RPA) with experience in archaeological management, excavation, and the processing of artifacts. He earned his Master of Arts in Archaeology from Yale University and has worked on excavation projects in Greece, Poland, Portugal, and the United States. Mr. Wilson has deep and broad expertise in both terrestrial and maritime archaeology, including desktop reviews, Phase I surveys, Phase II evaluations, and Phase III data recovery, as well as historic structure evaluation, historic preservation, curation, budget creation and management, and drafting and negotiating Memorandums of Agreement. Additional services include ethnography, construction monitoring, ground-penetrating radar, and remote sensing surveys. Mr. Wilson is a certified open-water diver and a veteran of the United States Marine Corps.			
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).		
08/23-11/24	Rural Bridge Replacement Phases I & II, Statewide, Louisiana Responsible for providing Cultural Resource Management (CRM) services for a LADOTD rural bridge replacement project. His duties included conducting research, preparing a Phase I report, and managing Shovel Test Pit data. He coordinated with agencies such as State Historic Preservation Office (SHPO), National Register of Historic Places, and LADOTD. Additional tasks include preparing transmittal letters, completing Louisiana Historic Resource Inventory (LHRI) forms, managing the Survey123 platform, overseeing field crew activities, and preparing and submitting the final report. Mr. Wilson ensured all documentation and processes meet regulatory requirements for cultural resource assessments.		
12/23-09/24	IIJA Off-System Bridges District 62, Statewide, Louisiana Responsible for providing comprehensive CRM services for the LADOTD Off-System Bridges District 62 project. His tasks included conducting background research, preparing desktop reports, and overseeing field crew activities. He utilized topographical maps and aerial investigations to gather critical data. Mr. Wilson also created and submitted tribal packet research, along with collecting CRM information necessary for CATEX evaluations. Additionally, he coordinated with agencies such as LHRI, LADOTD, and SHPO to ensure compliance with regulations. Mr. Wilson prepared a Section 106 desktop report, assessing potential impacts on historic properties and ensuring the project aligns with cultural resource preservation requirements.		
10/24-Present	Brownswitch Road Bridge Replacement, St. Tammany Parish, Louisiana Provides CRM services, focusing on Section 106 compliance. His responsibilities include conducting a CRM Section 106 desktop review to assess the potential impacts of the bridge replacement on cultural resources. This involves reviewing SHPO databases for historic properties, conducting a cemetery review to identify any burial sites in the area, and assisting with the preparation of maps and aerial images to support the cultural resource assessment. He also compiles and creates a detailed Section 106 desktop review report, summarizing findings and ensuring compliance with historic preservation requirements, while addressing potential impacts to cultural resources in the project area.		



16. Staff Experience:	
11/23 - 11/23	Tangi Off-System Bridge Prioritization, Louisiana Mr. Wilson provided a review of the project site to assess the potential effects of bridge replacements on cultural resources. He verified no cultural resources were needed, allowing the project to move forward in accordance with regulatory requirements.
11/23-11/23	N. Brickyard Road Bridge Replacement, Tangipahoa Parish, Louisiana Reviewed the project site to assess with the potential effects of the bridge replacement on cultural resources. He verified no cultural resources were needed, allowing the project to move forward in accordance with regulatory requirements.
07/24-09/24	U.S. 190 Roundabouts, St. Tammany Parish, Louisiana Responsible for CRM services for the construction of three roundabouts along Highway 190 in St. Tammany in support of Section 106 compliance. His responsibilities included SHPO files to include all previously recorded cultural resource surveys, archaeological sites, and historic structures within a 1-mile radius. He also compiles reviews and reports to summarize findings and addresses any potential impacts on cultural resources, including cemetery reviews.
10/24-10/24	Old Mill Settlement Road, Livingston Parish, Louisiana Responsible for performing a Section 106 desktop review in support of Livingston Parish Government for their proposed road project. His responsibilities included but were not limited to working with all applicable state agencies and adhering to the regulations of 36 CFR Part 800. He verified that the site had experienced some disturbances due to road construction and that there was a high probability of possible Cultural resources due to the proximity of the Amite River and the previously recorded archaeological sites.
07/24-09/24	Juban North Extension, Livingston Parish, Louisiana Provided a Section 190n desktop review for Livingston Parish Juban Road Extension. He researched and reviewed historical maps, aerial photographs, and the online database of archaeological and historic sites maintained by SHPO. He found that there had been 11 cultural resource investigations within 1-mile of the project area. He also reviewed historical topographical maps and aerials. Mr. Wilson found that because the site had not been heavily altered through construction previously a historic structure survey was recommended.
03/24-04/24	5th Street Improvements, Jefferson Parish, Louisiana Performed a Phase I Cultural Resource Survey of 0.5-mile radius of the projected improvement project. This included a pedestrian survey, taking systematic photos, recording addresses of all historic structures, and completing all Louisiana Historic Resource Inventory forms. The buildings were found to not be eligible but it was noted that they are in a district that is potentially eligible as a Postwar Commercial Strip. He developed a plan for any cultural material encountered would be labeled with provenance and temporarily curated by ELOS. In the end, he recommended the project proceed as planned after concluding no significant cultural resources would be impacted.
06/24-10/24	Move Ascension, Phase III, Ascension Parish, Louisiana Responsible for conducting a Section 106 Desktop Review of the Roddy Road area as part of the third phase of Move Ascension project. This review included identifying potential historic structures by using SHPO databases and files. He also reviewed historic aerial images for structures in the area. He was able to identify from the multiple sources that there were historical structures. He compiled his findings and met with GIS to report them.
10/23-02/24	Tangipahoa USDOT BIP Services 2023, Tangipahoa Parish, Louisiana Performed a Cultural Resource Review of previous investigations. These investigations included surveys, cemeteries, and listings of historic structures. He coordinated with the project manager and SHPO while conducting and documenting the review.

16. Staff Experience:			
Firm employed by: ELOS Environmental, LLC			
Name	JJ Pearsall	Years of relevant experience with this employer	1
Title	GIS Manager	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		BA / 2004 / Geography	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services	
JJ has experience with ArcGIS Online, Collector of ArcGIS, Survey 123, Expert GPS, BaseCamp, and Google Earth. He collects and interprets field data in support of environmental analyses and Impact assessments. The figures and maps he and his staff generate are vital to the development of NEPA documentation, Threatened and Endangered (T&E) Species Surveys, Wetland Delineations and Jurisdictional Determinations, Phase I Environmental Site Assessment, Section 404/10 and Coastal Use Permit applications, and wetland assessments models.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
09/20-08/24	Rural Bridges, Phases I & II, Louisiana GIS manager responsible for managing and conducting data collection from multiple sources to establish field collection points for the wetland's delineation and habitat identification through soil and terrain types.		
09/22-Present	IIJA Off-System Bridges District 62, Louisiana Responsible for the oversight of map creation using the ArcGIS system, to include those associated with the permit application with USACE and the Louisiana Department of Natural Resources. Produced TopoVicinity and Aerial Maps of project area.		
10/23-Present	EBR Off System Bridge Program, East Baton Rouge Parish, Louisiana Inputted extensive collection data points from multiple sources to make most accurate maps of project area, to include existing conditions maps.		
02/22-Present	STP Lock No. 3 Replacement, St. Tammany Parish, Louisiana Calculated acreage from three-dimensional data files to provide right-of-way information allowing for the construction servitude.		
03/24-Present	Brownswitch Road Bridge Replacement, St. Tammany Parish, Louisiana GIS Manager responsible for compiling data and creating the cultural maps and calculated the figures needed for the permit process.		



16. Staff Experience:			
Firm employed by: ELOS Environmental, LLC			
Name	Sarah Knauer	Years of relevant experience with this employer	1
Title	Architectural Historian	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		MS / 2020 / Historic Preservation; BA / 2016 / Anthropology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services; MPR #13	
Sarah possesses 15 years of experience in historic preservation and archaeology within the northeastern and southeastern United States. Her expertise includes coordinating a local downtown historic district to uphold National Register (NR) district integrity and community engagement. She has also pursued historic tax credits for the United States Department of Housing and Urban Development (HUD), fortified standard, and real estate development projects, and national register nominations. Notably, Ms. Knauer submitted the NR listing for the Hammond High School Gymnasium in Hammond, Louisiana, and participated in surveys of the Lake Charles Historic District and the Hollygrove neighborhood in Orleans Parish, Louisiana. Additionally, she teaches Community History, Historic Site Management, and Survey of Asian Empires. As a TerraX team member, Ms. Knauer contributes to historic preservation projects by assisting in completing survey planning, fieldwork, and evaluating historic resources for federal and state government-funded initiatives as well as for private clients within the Historic Resources Department.			
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).		
02/2024-06/25	Cultural Resources Survey for the Hill View Substation Project, Bartow County, Georgia Ms. Knauer researched, evaluated, and determined the significance of each historic resource and wrote the architectural history results portion of the report. Completed a 17.5-acre cultural resource survey. The survey included background research, archaeological and architectural surveys, and report preparation. No precontact or historic resources were found during the archaeological investigation. Thirty new architectural resources were identified and recommended ineligible for NRHP inclusion. The Louisville & Nashville Railroad, previously recorded, was recommended.		
02/2024-06/25	Cultural Resources Survey for the Proposed Mansfield Road Project, Shreveport, Louisiana Ms. Knauer researched, evaluated, and determined the significance of each historic resource and wrote the architectural history results portion of the report. The survey included background research, archaeological and architectural surveys, and report preparation. The archaeological survey identified two sites, which both represent nineteenth or early twentieth-century residences. Neither were determined to be eligible for NRHP-inclusion. Thirteen new architectural resources were identified and recommended ineligible for NRHP inclusion.		
03/23-07/24	Old Town Brunswick Historic Resources Survey, Glynn County, Georgia Ms. Knauer served as one of four architectural historians on the project. She wrote sections for the individual architectural styles and types as well as the previous survey and developmental history sections of the report. She also organized and created the architectural results report chapter. Verified and updated Georgia Natural and Historic Resource Geographic Information System (GNAHRGIS) forms towards the 394 previously recorded resources. Created and completed GNAHRGIS forms towards the 207 newly recorded resources, for a combined total of 556 evaluated resources.		
03/25-08/25	Cultural Resources Survey Project No. BR0020(532) - Bridge Replacement on SR-20 Over Norfolk Southern Railroad, Morgan County, Alabama Ms. Knauer researched, evaluated, and determined the significance of each historic resource and wrote the architectural history results portion of the report. The survey included background research, archaeological and architectural surveys, and report preparation. The archaeological survey identified one site, which is associated with a historic African American residential block dating from 1860 to 1990. Fifty-eight architectural resources were identified; fifteen were newly identified. Seven of the structures appeared to be eligible or listed on the NRHP.		



16. Staff Experience:			
Firm employed by: Coastal Environments, Inc.			
Name	Douglas Wells, PhD	Years of relevant experience with this employer	27
Title	Archaeologist Principal Investigator	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		PhD / 1998 / Anthropology; BA / 1989 / Anthropology and Chemistry	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental and Permitting Services; MPR #11	
Douglas is an Archaeologist-Principal Investigator who has worked at Coastal Environments, Inc. since 1998. His experience includes a broad spectrum of project types, including reconnaissance survey, Phase I survey, Phase II testing, Phase III data-recovery excavation, archaeological research design, construction monitoring, and collections assessment. He also has extensive experience in artifact analysis (particularly prehistoric), drafting, photography, and technical writing. His writings include numerous Section 106 (Phase I, II, and III) reports, data-recovery plans, memoranda of agreement, archaeological research designs, chapters in edited volumes, conference papers, and portions of EAs and EISs in compliance with NEPA standards. Dr. Wells has evaluated numerous archaeological sites and prepared reports on their significance during his time with CEI. He has completed the course on Section 106 of the National Historic Preservation Act.			
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).		
10/24-01/25	Northwest Little Lake Marsh Creation-Increment II Project (BA-0260) Terrace Fields, for Louisiana Coastal Protection and Restoration Authority, Louisiana Principal investigator for Phase I Cultural Resources Survey.		
01/24-10/24	Bayou Sale Living Shoreline Project, Chitimacha Tribe, St. Mary Parish, Louisiana Principal investigator for Phase I Cultural Resources Survey.		
09/23-03/24	Northwest Little Lake Marsh Creation Project (BA-0268), Lafourche Parish, for Louisiana Coastal Protection and Restoration Authority, Louisiana Principal investigator for Phase I Cultural Resources Survey.		
05/22-08/24	Site 16CU128, Calcasieu Parish, Louisiana Principal investigator for delineation of site boundaries.		
02/22-11/23	East Baton Rouge Flood Risk Management Project, East Baton Rouge Parish, New Orleans District, Louisiana Principal investigator for Phase I Cultural Resources Survey.		
09/21-10/22	Yazoo Basin Wells Project, Bolivar, Coahoma, and Washington Counties, Vicksburg District, Mississippi Principal investigator for Phase I Cultural Resources Survey.		
06/20-12/21	Testing of Sites 22GR215 and 22GR216, Camp McCain, Grenada County, for Mississippi National Guard, Mississippi Principal investigator for Phase II NRHP.		
03/21-10/21	Testing of Site 16CU128, Calcasieu Parish, Louisiana Principal investigator for Phase II NRHP.		
02/20-05/21	Marsh Creation Project, Plaquemines Parish, Louisiana Principal investigator for Phase I Cultural Resources Survey of the Mid-Breton Land Bridge West (BS-0038).		
11/19-03/21	LA 307 Corridor, Lafourche Parish, New Orleans District, Louisiana Principal investigator for Phase I Cultural Resources Survey of Wetland Mitigation Areas,		





SECTION 17
Firm Experience

17. Firm Experience:				
Firm name	HNTB Corporation	Discipline(s)*		Bridge, Road
Project name	LA 1 PHASE 2		Firm responsibility (prime or sub?)	Prime
Project number	H.008145	Owner's name	LADOTD	
Project location	Golden Meadow to Port Fourchon, Louisiana	Owner's Project Manager	Ryan Morvant	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1232 / ryan.morvant@la.gov		
Services commenced by this firm (mm/yy)		10/12	Total consultant contract cost (\$1,000's)	\$21,618
Services completed by this firm (mm/yy)		Design: 07/21 Construction: Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$14,573

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

The LA 1 bridge, also known as the "LA 1 Expressway," is a roughly nine mile elevated bridge over the tidal marshes of the Mississippi River delta constructed to replace the previous low elevation route of LA 1. This portion of LA 1, which is the sole land route to Port Fourchon, one of the nation's leading oil and gas ports, services nearly 20% of America's energy infrastructure. LA 1 also provides access to Grand Isle, a major tourist destination for recreational fishing. Phase 2 of the LA 1 project extends the existing elevated bridge northwards from Leeville to Golden Meadow, where it will connect with an existing four lane road (LA 3235) inside the coastal levee system. The construction method that is currently being employed is top down, which utilizes a gantry system to construct the bridge from the already completed structure, allowing the contractor to avoid wetland mitigation by not having equipment on the ground. HNTB provided the following services for the LA 1 project:



PROJECT RELEVANCY

- Bridge Design
- Accelerated Bridge Construction
- Geotechnical Design
- On Site Construction Support
- Condensed Schedule

- **Design Services:** As designer of record, design elements included nine miles of elevated bridge crossing canals, pipelines, wetlands and a levee, approach roadway and surrounding local road tie-ins, signage layouts, and geotechnical services. The associated INFRA grant required funding be obligated by March 31, 2023, so an expedited plan delivery schedule was necessary to get the contractor under contract to commence construction. HNTB delivered the nearly 1,200 sheet plan set on time utilizing an extremely condensed schedule and extensive collaboration between multiple disciplines, subconsultants, and most importantly the LADOTD.
- **Innovative Techniques:** HNTB's innovated techniques included eliminating transversely battered piles via advanced analysis to reduce construction schedule and price, evaluating optimal span lengths for top-down construction and providing three design alternatives in order to secure a competitive bid ensuring project costs were minimized, and utilizing majority precast elements, both superstructure and substructure, for the top down construction portion to eliminate the time required for cast-in-place construction.
- **Construction Services:** Currently in the construction phase, HNTB is providing critical construction support with LADOTD to overcome any construction issues that arise in order to keep the project on schedule. Reviewing large batches of shop drawings and responding to any RFIs within the two week window outlined in the LADOTD Standard Specifications, HNTB is ensuring the bridge is being constructed in accordance with the contract plans. HNTB is also monitoring the pile driving using PDA devices, which ensures a seamless integration of field pile data with the design.

Key Staff: Dusty Bastion, Josh Porter, Benjamin Goodner, Marc Hoffmann, John Bernard, Patrick Duffy, Brian Powell, Jared Sommers, Kate Prejean

17. Firm Experience:				
Firm name	HNTB Corporation		Discipline(s)*	
			Bridge, Road, Geotech	
Project name	2015 IDIQ CONTRACT FOR BRIDGE PRESERVATION		Firm responsibility (prime or sub?)	Prime
Project number	4400005772	Owner's name	LADOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Zhengzheng "Jenny" Fu, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1321 / zhengzheng.fu@la.gov		
Services commenced by this firm (mm/yy)		08/15	Total consultant contract cost (\$1,000's)	\$4,692
Services completed by this firm (mm/yy)		08/20	Cost of consultant services provided by this firm (\$1,000's)	\$4,325

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

As part of this five-year IDIQ retainer contract focused on bridge preservation, HNTB completed 31 task orders (TOs). TOs included bridge replacements, bridge rehabilitations including emergency repair projects, and construction support services. A highlighted summary of the TOs performed under this contract are provided below:

REHABILITATION RELATED TOs:

- **TO 8, U.S. 90 Atchafalaya Bridge Rehabilitation:** HNTB was tasked to develop rehabilitation and painting plans for the U.S. 90 bridge over the Atchafalaya River in Morgan City. The rehabilitation included strengthening and replacing gusset plates, painting all structural steel, modifying existing drain holes for better drainage, replacing false chord expansion members, replacing rivets and bolts, and other repairs. In addition, electrical tasks included navigation lighting replacement.
- **TO 15, U.S. 90 LDRR & LA 329 Bridge Rehabilitation:** HNTB developed rehabilitation design and plans for U.S. 90 bridge over LDRR & LA 329 in Iberia Parish. The rehabilitation included bearing pad replacement, precast backwall panel replacements, approach slab replacements, anchor bolt replacements, joint seal replacements, structural concrete patching, and placing an epoxy-urethane overlay on the bridge deck. All work was performed utilizing coordinated phased construction techniques to minimize traffic impacts.
- **TO 24, I-10 Loyola Bridge Rehabilitation:** HNTB developed rehabilitation design and plans for the I-10 bridge over Loyola Drive in Kenner. The rehabilitation included concrete barrier repairs, sawcutting new approach slab pavement relief joints, and epoxy injecting cracks in the top of deck utilizing phased construction to minimize traffic impacts.

EMERGENCY RELATED TOs:

- **TO 31, LA 3250 OVER I-49/UPRR:** HNTB developed emergency repair plans to address damage caused by an over height vehicle impact. HNTB went straight to 95% plan development - a necessity due to the nature of the damage. Three precast prestressed concrete girders were damaged beyond repair and required replacement. Accelerated bridge construction techniques were used to limit traffic disruptions to I-49. Self-Propelled Modular Transporters (SPMT) were utilized to lift and remove the damaged section as well as to lift and place the new three girder segment into place. A closure pour joined the new segment with the existing bridge. Traffic disruptions were limited to only two days.
- **TO 23, I-10 Veterans Bridge Rehabilitation:** HNTB developed rehabilitation design and plans for the I-10 bridge over Veterans Boulevard in Metairie, Louisiana. A slab span on the bridge had extensive damage due to a vehicle fire on the bridge. HNTB went straight to 95% plan development - a necessity due to the nature of the damage. The repair plans utilized a new precast slab segment that was quickly placed on the existing bridge once the damaged portion was removed. A closure pour joined the new segment with the existing bridge. All repairs were completed using a single lane closure in one weekend.

BRIDGE REPLACEMENT RELATED TOs:

- **TO 3, U.S. 80 over I-20 Bridge Replacement:** HNTB developed design and plans for a two-span, 290-foot steel girder bridge crossing I-20 to replace the existing six-span structure. The superstructure was built off alignment and moved into place using SPMT. Because of these innovations, I-20 only required two weekend-long closures to complete the demolition and construction.
- **TO 18, Boeuf River Bridge Replacement:** HNTB developed design and plans for a five-span, 500-foot precast prestressed girder bridge crossing Boeuf River to replace the existing truss structure. The bridge was built off alignment and utilized LG 54s.
- **TO 21, LA 532 over I-20 Bridge Replacement:** HNTB developed design and plans for a four-span, 300-foot precast prestressed girder bridge crossing I-20 to replace the existing bridge structure. The bridge was built off alignment and utilized LG 36s and drilled shafts.

Key Staff: Dusty Bastion, Josh Porter, Patrick Duffy, Ben Goodner, Marc Hoffmann, John Bernard, Brian Powell, Jared Sommers, Brad Wilder, Kate Prejean

Project Relevancy: Bridge Design, Bridge Rehabilitation, Bridge Load Rating, Geotechnical Design, Roadway Design

2015	
31 Task Orders	8 Bridge Designs
	8 Rehangs
	11 CRES
	6 Feasibility
	1 Instrument Testing

17. Firm Experience:				
Firm name	HNTB Corporation		Discipline(s)*	
			Bridge, Road, Geotech	
Project name	2020 IDIQ CONTRACT FOR BRIDGE PRESERVATION		Firm responsibility (prime or sub?)	Prime
Project number	4400017264	Owner's name	LADOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Brian Allen, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1840 / brian.allen@la.gov		
Services commenced by this firm (mm/yy)		04/20	Total consultant contract cost (\$1,000's)	\$6,150
Services completed by this firm (mm/yy)		04/25	Cost of consultant services provided by this firm (\$1,000's)	\$5,030

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

As part of this five-year IDIQ retainer contract focused on bridge preservation, HNTB completed 22 TOs. TOs included a variety of bridge replacements, bridge rehabilitations, and construction support services. A highlighted summary of the TOs performed under this contract are provided below:

REHABILITATION RELATED TOs:

- **TO 3, I-20 Rehabilitation (Pines Road to I-220):** HNTB developed rehabilitation design and plans for seven bridges along the I-20 corridor from Westerfield Street to Industrial Drive. The rehabilitation of the seven bridges included full approach slab replacements and partial-depth to full-depth backwall replacements on skewed substructure end bents. Replacements were done under phased construction. HNTB also developed design and plans for the replacement of the median barrier along the I-20 corridor.
- **TO 6, I-20 Orange Street Overpass Repair:** HNTB developed rehabilitation design and plans for the repair of the Orange Street overpass bridge over I-20 that was struck by overheight vehicle. Rehabilitation included heat straightening, new stiffeners and cross frames, and cleaning and painting.
- **TO 7, I-12 LA 1032 Overpass Girder Repair:** HNTB developed rehabilitation design and plans for the repair of the I-12 bridge over LA 1032 that had been struck by an over height vehicle. Repairs included replacing the exterior girder, strand splicing one girder, and patching and carbon fiber wrapping four girders. Night-time lane closures were utilized.

TRUSS BRIDGES RELATED TOs:

- **TO 16, I-10 Calcasieu River Bridge Interim Repairs (HBI):** HNTB developed rehabilitation design and plans for the I-10 bridge over Calcasieu River. Repairs included girder jacking to replace girder bearings, replacing stringer bearings at floorbeam saddle connections, repairing cracked stringer-to-floorbeam connections in the deck truss spans, repairing a finger joint on the through truss span, and patching deck spalls along the entire bridge. All repairs on this project did not require any adverse impacts to the traveling public.
- **TO 17, LA 3213 Gramercy Bridge Rehabilitation:** HNTB developed rehabilitation design and plans for the LA 3213 bridge over the Mississippi River. Repairs to the approach spans included jacking of the approach spans to re-position the spans to the original location and providing span restraint mechanisms to prevent future sliding of the spans. Other repairs included cleaning and painting of all steel spans, replacement of corroded truss member rivets, replacement of all joint seals, replacement of bearing pads, concrete revetment repair, and heat straightening of truss members.

BRIDGE REPLACEMENT RELATED TOs:

- **TO 18, I-12 Hog Branch Replacement:** HNTB developed design and replacement plans for the I-12 bridge over Hog Branch. During the original scope of the project, HNTB was tasked with developing widening design and plans for the existing structure; however, upon reviewing the existing conditions of the structure, it was deemed that the existing piles were inadequate for current design standards. HNTB then developed the design and plans for replacing the bridge. The new bridge will utilize precast prestressed concrete girders and phased construction to reduce the impacts to the traveling public. HNTB is also performing the median barrier design and plans for the placement of a new concrete median barrier along the I-12 corridor.
- **TO 20, LA 327-S Bayou Fountain:** HNTB developed design and replacement plans for the LA 327-S bridge over Bayou Fountain. The new bridge consisted of a five-span concrete deck slab with a sidewalk on each side of the bridge.
- **TO 22, LA 124 Extension Near Larto (Segments 2 & 3):** HNTB developed design and replacement plans for the LA 124 bridge over Larto Lake. At the bridge location, a flood control weir structure with a concrete spillway apron is present. The new bridge was to be built off-alignment, but access to the flood control weir was required. HNTB developed design and plans for an access walkway from the new bridge to the flood control weir. To eliminate potential maintenance issues with driving piles through the existing concrete spillway apron, HNTB designed the new bridge to span over the concrete spillway apron utilizing LG-36s.

Key Staff: Dusty Bastion, Josh Porter, Patrick Duffy, Ben Goodner, Marc Hoffmann, John Bernard, Ryan Felder, Brian Powell, Jared Sommers, Brad Wilder

Project Relevancy: Bridge Design, Bridge Rehabilitation, Bridge Load Rating, Geotechnical Design, Roadway Design

2020	
22 Task Orders	7 Bridge Designs
	1 Rehab
	2 CRES
	1 Feasibility
	1 Instrument Testing

17. Firm Experience:					
Firm name	HNTB Corporation		Discipline(s)*		Bridge, Road, Geotech
Project name	LA 47 BAYOU BIENVENUE BRIDGE REPLACEMENT			Firm responsibility (prime or sub?)	Prime
Project number	H.015935		Owner's name	LADOTD	
Project location	Statewide, Louisiana		Owner's Project Manager	Kurt Brauner, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1809 / kurt.brauner@la.gov			
Services commenced by this firm (mm/yy)		04/24	Total consultant contract cost (\$1,000's)		\$532
Services completed by this firm (mm/yy)		09/24	Cost of consultant services provided by this firm (\$1,000's)		\$357

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

In 2024, the LA 47 bridge over Bayou Bienvenue in Orleans and St. Bernard Parishes was noted to have significant structural deficiencies to the underside of the bridge due to the corrosive brackish water requiring immediate replacement. HNTB was contracted to develop design and replacement plans for the deteriorating bridge. The existing bridge consisted of 15 concrete deck slab spans with an overall width of 92 feet. The bridge is located in highly corrosive brackish water, contributing to the rapid deterioration of the bridge towards the end of its life-span. The following items were key to a successful, expedited delivery of the bridge replacement:

- **Expedited Plan Delivery:** As time was of the essence HNTB expedited the delivery of final plans by selecting a key number of deliverable milestones with an expedited schedule. From the initiation of the project, HNTB performed all required designs and plan development in five months, including utilizing its subconsultants to obtain survey and geotechnical exploration information. HNTB selected a 3-point deliverable schedule: a preliminary submittal, a 95% final plan submittal, and a 100% final plan submittal.
- **Phased Construction:** Phased construction was utilized to reduce impacts to the traveling public by shifting all traffic to one side of the bridge while the adjacent portion of the bridge is being replaced. This eliminated the need for a detour, which would cause adverse impacts to traffic.
- **Accelerated Bridge Construction:** To expedite the replacement of the rapidly deteriorating bridge, accelerated bridge construction techniques were used by utilizing precast bent caps. To achieve expedited fabrication, as well as expedited erection, HNTB designed all the precast bent caps to be the exact same (including all dimensions, reinforcing steel, and concrete type) regardless of the different phases of construction.
- **Corrosion Protection:** Due to the highly corrosive brackish water crossing underneath the bridge, as well as the frequent flooding in this area, HNTB incorporated preventative corrosive techniques into the design and plans. Stainless steel reinforcing steel was utilized in both the deck slab as well as the bent caps. For preventing corrosion to the 136 precast prestressed concrete piles, discreet galvanic anodes were incorporated into the plans to place them inside the concrete piles. The discreet galvanic anodes prevent corrosion by directing corrosion current away from the reinforcing steel and into the metal anode.

Key Staff: Josh Porter, Marc Hoffmann, John Bernard, Ryan Felder, Brian Powell, Jared Sommers



PROJECT RELEVANCY

- Phased Bridge Replacement
- Accelerated Bridge Construction
- Condensed Schedule Task Order
- Preventative Corrosion Techniques
- Roadway Tie-In and Traffic Control
- On Site Construction Support

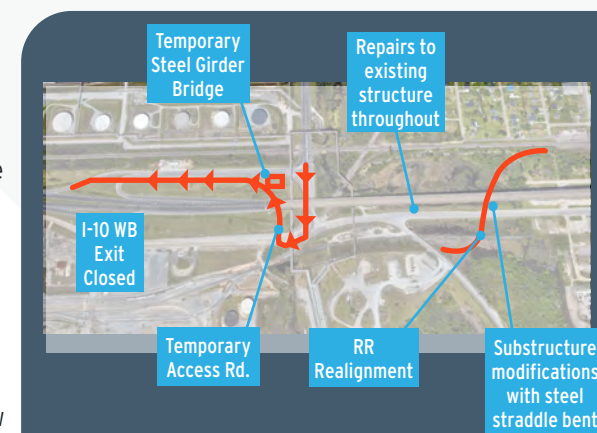
17. Firm Experience:				
Firm name	HNTB Corporation		Discipline(s)*	
			Bridge, Road, Geotech	
Project name	I-10 CALCASIEU RIVER BRIDGE REPLACEMENT EARLY WORKS PACKAGE		Firm responsibility (prime or sub?)	Prime
Project number	H.003931 / H.012083 / H.016466		Owner's name	LADOTD
Project location	Westlake, Louisiana		Owner's Project Manager	Paul Vaught, PE
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1816 / paul.vaughtiii@la.gov		
Services commenced by this firm (mm/yy)		02/22	Total consultant contract cost (\$1,000's)	\$2,528
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$1,158

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

In December 2023, the LADOTD initiated the replacement of the I-10 over Calcasieu River bridge between Lake Charles and Westlake. The replacement of the bridge will be constructed under a P3 agreement between the state and a developer. Several obstacles needed to be overcome to allow for the replacement bridge to be constructed within the proposed limits set out by the P3 procurement and the environmental documents.

The Early Works package includes a set of repairs for the existing bridge, a relocation of an existing railroad spur, a modification of the existing bridge to allow for the relocation of the railroad spur, and a modification of the existing Sampson Street on/off ramp to allow for the relocation of a pipe rack crossing I-10. LADOTD developed a plan that required the new pipe racks to be run below the existing grade of the Sampson Street on/off ramp, and a reworked roadway and new bridge that spans the pipe racks. The west bound on ramp was required to remain open, so a new temporary roadway was designed to run under the existing I-10 Bridge. HNTB helped LADOTD develop the Early Works package, including providing:

- **Bridge Design - Repair Plans:** Repair plans were developed based on the agreed to repairs from the inspection performed. The scope of the repairs included those necessary to extend the life of the structure for the duration of the replacement schedule and to minimize the maintenance required on the existing structure until it can be retired from service.
- **Railroad Engineering:** HNTB utilized staff well versed in railroad engineering to develop a new preliminary alignment that would allow for the proposed new bridge. This alignment is being developed into final plans through a contract with LADOTD in coordination with the railroads.
- **Bridge Engineering - Substructure Modifications:** To allow for the new railroad alignment, modifications were required to the substructure of the existing bridge. A Complex system involving temporarily supporting the structure and transferring the load to the new structure was designed. Complex Finite Element Analysis was required to design the straddles and jacking connection.
- **Bridge Engineering - Accelerated Construction of a Temporary Bridge:** To facilitate the relocation of existing pipe racks, a new temporary bridge along the Sampson Street on/off ramp was required to cross a new trench which would carry the relocated pipe racks. HNTB worked with the pipe rack companies through the department to coordinate the complex construction schedule and phasing. In order to limit the disruption to traffic, Accelerated Bridge Construction techniques were incorporated to the design, limiting the off-ramp closure to three months.
- **Roadway Engineering - Sampson Street Interchange:** To facilitate the relocation of existing pipe racks and avoid a full closure of the on/off ramp, modifications to the off ramp and Sampson Street were required. A temporary on ramp, intersection improvements, and signal modifications were required. Carry the relocated pipe racks. HNTB worked with the pipe rack companies through the department to coordinate the complex construction schedule and phasing.
- **Bridge Protection System:** In order to install the temporary bridge and still maintain traffic, a temporary access road was installed under the end span of the existing Calcasieu River Bridge resulting in low vertical clearance. To protect the existing Calcasieu River Bridge from overheight vehicle impacts, a sacrificial crash beam system was designed and installed. The sacrificial crash beam has already been struck by an overheight vehicle - a testament to the purpose of protecting the existing bridge.



PROJECT RELEVANCY

- Bridge Design Services
- Plan Development Services
- Surveying Services
- Geotech Engineering Services
- Roadway/Hydraulic Engineering Services
- Environmental and Permitting Services
- Bridge Protective System

Key Staff: Dusty Bastion, Josh Porter, Patrick Duffy, Ben Goodner, Marc Hoffmann, John Bernard, Patrick Roth, Aravind Tankasala, Kate Prejean, Ryan Felder, Jared Sommers, Brad Wilder

17. Firm Experience:				
Firm name	Ardaman & Associates, Inc.		Discipline(s)*	Geotech
Project name	I-20 MISSISSIPPI RIVER BRIDGE REVIEW		Firm responsibility (prime or sub?)	Prime
Project number	SP No. H.004646 09-L1049; H.010603.6 13-3720; H.010612.6 20-3729; H.004647.6 22-3746; 22-3753, 24-3707	Owner's name	LADOTD	
Project location	Madison Parish, Louisiana	Owner's Project Manager	Chris Nickel, PE	
Owner's address, phone, email	201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1100 / chris.nickel@la.gov			
Services commenced by this firm (mm/yy)	10/09	Total consultant contract cost (\$1,000's)	\$10,881	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$10,881	

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

Ardaman conducted a geotechnical study to develop a list of technically feasible remedial alternatives to decrease the potential for ground movements to occur at the site of the I-20 Bridge. Movement of the east abutment of the bridge was first realized in 2001 during an inspection. Over the years Mississippi DOT has retained several consultants who have studied the problem, but no viable solution was identified. Ardaman conducted a comprehensive review of past slope stability evaluations and recommendations. This task was followed by developing a refined geotechnical site characterization plan for the bank/bluff area for further analyses. Drilling operations included obtaining extremely sensitive samples containing prehistoric shear planes from the river via barge and on land, all with extremely difficult access conditions. The drilling program also included installation of geotechnical instrumentation such as Shape Accelerator Arrays, inclinometers, and vibrating wire piezometers. Engineering analyses performed included seepage and drawdown analyses and both equilibrium and finite element numerical modeling slope stability analyses. As part of the project, Ardaman developed a full slope stabilization design and construction remediation strategy and a monitoring program for the bluff instability and ground movements affecting the existing I-20 Mississippi River Bridge.

Ardaman is currently managing a phase of the project which involves upgrading the entire instrumentation communication system. It also includes gathering and continuously monitoring various types of instrumentation data, inspects of the site and monitoring changes in topography by obtaining periodic survey data.

Key Staff: Robert Jewell, Megan Bourgeois, Jarmon King, Casey Floyd, Jessica Litt

Project Relevancy: Geotechnical Services



17. Firm Experience:				
Firm name	Ardaman & Associates, Inc.		Discipline(s)*	Geotech
Project name	LA 23 BELLE CHASSE BRIDGE AND TUNNEL (HBI)		Firm responsibility (prime or sub?)	Sub
Project number	H.004791	Owner's name	LADOTD	
Project location	Plaquemines Parish, Louisiana	Owner's Project Manager	Nicholas Olivier	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1133 / nicholas.olivier@la.gov			
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost (\$1,000's)	\$12,000	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$660	

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

The project is a P3 project which consists of replacing the existing Belle Chasse Tunnel and Judge Perez Lift Bridge at the Algiers Canal. Proposed improvements included a four-lane fixed height bridge with pedestrian and bicycle accommodations. The project alignment is from Engineers Road, about 2,000 feet northwest of the Intercoastal Canal to some 2,300 feet southeast of the canal between the existing Belle Chasse tunnel and the lift span bridge.

Ardaman previously completed 14 soil borings and associated laboratory testing based on LADOTD standards, and 11 electronic cone penetration tests (ECPT) along the new bridge alignment under our previous current retainer contract in support of the project. Engineering services included supervision of the field program, development of the laboratory testing program, quality control review, and preparation of a data report.

Ardaman is also part of the Owner Verification (OV) team during the design and construction phases. The scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete.

Key Staff: Robert Jewell, Megan Bourgeois, Mark Woodward, Jarmon King, Casey Floyd, Jessica Litt

Project Relevancy: Geotechnical Services



17. Firm Experience:				
Firm name	Ardaman & Associates, Inc.		Discipline(s)*	Geotech
Project name	MRB SOUTH GBR: LA 1 TO LA 30 CONNECTOR		Firm responsibility (prime or sub?)	Prime
Project number	H.013284	Owner's name	LADOTD	
Project location	West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes	Owner's Project Manager	Christina Brignac, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1937 / christina.brignac@la.gov			
Services commenced by this firm (mm/yy)	07/23	Total consultant contract cost (\$1,000's)	\$6,000	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$713.1	

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

The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings. There are three proposed alignments for this project connecting LA 1 on the west side of the Mississippi River to LA 30 on the east. The three alignments range from approximately 7 miles to 8 miles in length including interchanges at either end.

For this preliminary phase of work, Ardaman performed 18 soil borings, and 23 electronic cone penetration tests (ECPTs) distributed among the three alternative alignments. Six soil borings to a maximum exploration depth of 250 feet below existing ground surface (bgs) were performed in the Mississippi River batture area targeting the proposed bridge foundations on either side of the Mississippi River for each alternative. The remaining 12 soil borings performed to a maximum exploration depth of 150 feet were located along each of the alignments for the high-level approaches and low-level interchanges on either side of the Mississippi River. The ECPTs were performed to maximum exploration depths ranging from 42 feet to 150 feet and were located along the three proposed alignments to supplement the soil borings. Additionally, a total of 31 electrical resistivity (ER) geophysical survey transects were completed to allow for a survey of the stratigraphy between soil investigation locations.

Engineering services include supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. The preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. A data report and preliminary geotechnical assessment report were submitted.

Key Staff: Robert Jewell, Megan Bourgeois, Jarmon King, Casey Floyd, Jessica Litt

Project Relevancy: Geotechnical Services



17. Firm Experience:				
Firm name	ELOS Environmental, LLC		Discipline(s)*	Planning
Project name	LADOTD RURAL BRIDGES, PHASE I & II		Firm responsibility (prime or sub?)	Sub
Project number	Multiple	Owner's name	LADOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Nick Matherne; BKI	
Owner's address, phone, email	4176 Canal Street, New Orleans, Louisiana 70119 / (504) 486-5901 / nicholasmatherne@bkiusa.com			
Services commenced by this firm (mm/yy)	09/20	Total consultant contract cost (\$1,000's)	\$520	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$455	

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

ELOS has been contracted to provide professional environmental consulting services for the LADOTD Rural Bridge Replacement Initiative for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental TOs, impacting 33 structures in Districts 03, 07, 61, and 62. Phase II is ongoing and involves bridge replacements under 9 state project numbers and supplemental TOs, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a threatened and endangered species survey. ELOS has also assisted in the early planning stages of some of these projects to identify any possible adverse economic, social, or environmental effects or concerns.

ELOS performed all environmental services according to the standards of the Federal Highway Administration (FHWA). Permits have been coordinated through several federal and state agencies including: joint applications to the USACE and the Louisiana Department of Energy and Natural Resources (LDENR) / Office of Coastal Management, Scenic Rivers permits through the Louisiana Department of Wildlife & Fisheries, and cultural resource surveys in coordinate with the Louisiana State Historic Preservation Office.

Key Staff: Brian Fortson, Cory Ricks, Basile Dardar, JJ Pearsall and Michael Hill Jr.

Project Relevancy: Environmental and Permitting Services



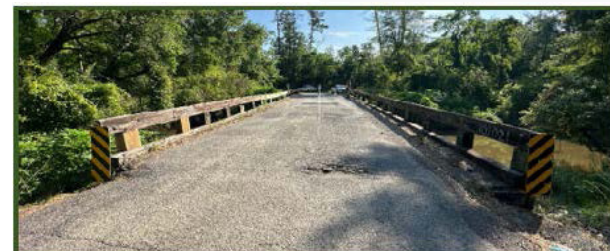
17. Firm Experience:				
Firm name	ELOS Environmental, LLC		Discipline(s)*	Environmental
Project name	DOTD IJA OFF SYSTEM BRIDGES DISTRICT 62		Firm responsibility (prime or sub?)	Sub
Project number	Multiple	Owner's name	LADOTD	
Project location	Tangipahoa Parish Louisiana	Owner's Project Manager	Greg Sepeda, PE; Waggoner Engineering	
Owner's address, phone, email	10305 Airline Hwy, Baton Rouge, Louisiana 70816 / (225) 810-3100 / gpsepeda@gmail.com			
Services commenced by this firm (mm/yy)	09/22	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)	\$126	

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

ELOS is currently contracted for the LADOTD IJA Off-System Bridge Program. The objective of this program was to replace as many poor condition, off-system bridges as possible by initial screenings of eligible "off-system" structures and create a Preliminary Screening Matrix/Spreadsheet. ELOS conducted appropriate technical and environmental studies and prepared necessary environmental documentation for approval from the FHWA, in accordance with the provisions of the NEPA, FHWA Technical Advisory 6640.8a, and applicable laws, rules, guidance, and regulations. ELOS services encompass a comprehensive range of tasks aimed at ensuring compliance with environmental regulations and facilitating the necessary approvals for infrastructure projects. These services include environmental consulting to advise on regulatory requirements, NEPA compliance to assess and mitigate potential environmental impacts, and agency coordination to engage relevant federal, state, and local authorities. Additionally, services involve preparing section 106 tribal packets for consultation with native American tribes, solicitation of views to gather input from stakeholders, and conducting detailed studies such as wetland studies, cultural resources studies, and cultural resources surveys to evaluate the impact on natural and cultural resources. Surveys for threatened and endangered species and the preparation of a navigability determination packet help ensure environmental protections are met. The process also includes the development of an environmental determination checklist and the acquisition of necessary environmental permits to ensure all legal and regulatory requirements are fulfilled before the project proceeds.

Key Staff: Basile Dardar, JJ Pearsall, Cory Ricks

Project Relevancy: Environmental and Permitting Services



17. Firm Experience:				
Firm name	Forte & 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	LADOTD 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, Louisiana 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 staff 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).

Scope of Services: 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 LADOTD 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

Key Staff: Bradley Holleman, Ross Wilson

Project Relevancy: Surveying Services



17. Firm Experience:						
Firm name	Forte & Tablada, Inc.		Discipline(s)*		Bridge	
Project name	OFF-SYSTEM BRIDGE REPLACEMENTS - WHITTINGTON ROAD OVER GRAYS CREEK			Firm responsibility (prime or sub?)		Prime
Project number	H.016166		Owner's name		Livingston Parish	
Project location	Livingston Parish, LA		Owner's Project Manager		Sam Digirolamo	
Owner's address, phone, email		20399 Government Boulevard, Livingston, Louisiana 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)			\$314.4

Describe the project including the firm's role and members involved. (Highlight staff 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 sixspan 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

Key Staff: Joffrey Easley, Ross Wilson

Project Relevancy: Surveying Services



17. Firm Experience:				
Firm name	KGC Environmental Services, Inc.		Discipline(s)*	CE&I/OV
Project name	U.S. 84 WEST/NATCHEZ-VIDALIA MISSISSIPPI RIVER BRIDGE		Firm responsibility (prime or sub?)	Sub
Project number	MDOT 55932 DS-005	Owner's name	MDOT	
Project location	New Orleans, Louisiana	Owner's Project Manager	Nellie Wimberly, PE	
Owner's address, phone, email	401 North West Street Jackson, Mississippi 39201 / (601) 445-8351 / nwimberly@mdot.ms.gov			
Services commenced by this firm (mm/yy)	08/13	Total consultant contract cost (\$1,000's)	\$9	
Services completed by this firm (mm/yy)	08/13	Cost of consultant services provided by this firm (\$1,000's)	\$9	

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

Performed a comprehensive coatings evaluation of the entire bridge to determine the condition of the existing coatings and recommended alternatives for coating rehabilitation of this major Mississippi River Bridge crossing to provide continued corrosion protection for the structure. Scope also included comprehensive sampling of the existing coating system for the presence of heavy metals. KGC's scope was very similar to this RFP:

- Coatings Assessment
- Paint Sampling for Heavy Metals

Key Staff: Kevin Guth, Chris Price

Project Relevancy: Painting/Coating, Testing, Sampling



17. Firm Experience:				
Firm name	Moffatt & Nichol, Inc.	Discipline(s)*		Bridge
Project name	UNDERWATER BRIDGE INSPECTIONS		Firm responsibility (prime or sub?)	Prime
Project number	H.009730.5 Task Order 2	Owner's name	LADOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Stephanie Doolittle, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1329 / stephanie.doolittle@la.gov		
Services commenced by this firm (mm/yy)	06/22	Total consultant contract cost (\$1,000's)		\$2,402
Services completed by this firm (mm/yy)	08/25	Cost of consultant services provided by this firm (\$1,000's)		\$1,416

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

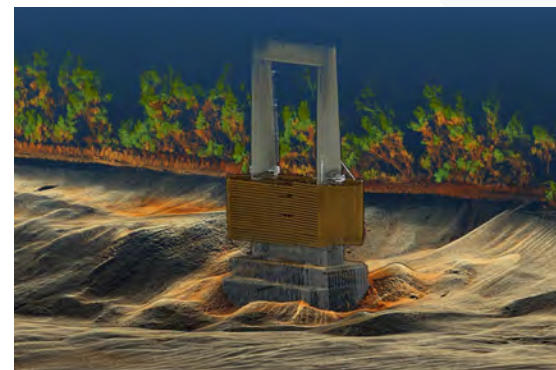
As part of a five-year retainer contract, Moffatt & Nichol has been tasked with performing underwater bridge inspections for over 500 bridges throughout the state of Louisiana through Task Order 2 and over 800 bridges across all three TOs on this contract. The bridges consist of small to mid-sized waterways along with nine bridges passing through large swamps and bayous that vary between 3 and 14 miles long, 15 culverts, and four bridges crossing over large waterways (the Mississippi River, Prien Lake, and Whiskey Bay Channel). Many of the bridges crossed over waterways inhabited by alligators, which posed a potential hazard to the inspectors. To mitigate the probability of an incident, Moffatt & Nichol implemented a Louisiana Department of Wildlife and Fisheries-approved nuisance alligator trapper during inspections at specific locations. Moffatt & Nichol has safely performed Level I, II, and III underwater dive inspections and emergency damage assessments while augmenting 2D and 3D SONAR technologies per the National Bridge Inspection Standards.

The Moffatt & Nichol dive team captures images and bathymetric data utilizing high-resolution side scan SONAR units and multibeam sonar technology. High-resolution images and point cloud data of bridge piers/bents are collected to identify channel bottom conditions and structural deterioration. Underwater Acoustic Imaging (UAI) services were provided over large navigable waterways with high-risk diving conditions such as fast currents, low visibility, heavy debris, extreme depths, cold water, and vessel traffic.

Scour evaluations (inherent to underwater bridge inspections) are vital to the inspection and report process. All inspector-divers are trained to observe soundings near submerged substructure units, channel migration/alignment, bank erosion, channel bed material, condition of scour protection structures and channel training devices, flow velocity, timber debris quantity and location, major changes in watershed and hydraulic capacities from upstream development and construction; and to review all conditions in real-time on site to establish a rate of scour and erosion for effective prioritization of repairs and development of scour plan of actions for monitoring.

Key Staff: Chace Hulon, Bryan Tyson, Jeffrey Gazarek, Christopher Eschenbach

Project Relevancy: Underwater Bridge Inspection



17. Firm Experience:				
Firm name	Stanley Consultants, Inc.		Discipline(s)*	
			Road, Traffic	
Project name	U.S. 167 MEDIAN IMPROVEMENTS			Firm responsibility (prime or sub?)
				Prime
Project number	H.016278.5		Owner's name	LADOTD
Project location	Vermillion Parish, Louisiana		Owner's Project Manager	Kyle East, PE
Owner's address, phone, email		228 Rue de Voyages, Louisiana 70508 / (337) 262-2262 / kyle.east@la.gov		
Services commenced by this firm (mm/yy)		04/25	Total consultant contract cost (\$1,000's)	\$489
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$430

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

Stanley was contracted by LADOTD District 03 to perform engineering design services to improve intersections on US 167 with LA 696, LA 697 and LA 699.

U.S. 167 is considered a principal rural arterial roadway within the project limits and serves as a vital north-south route between Lafayette and surrounding townships and rural areas. The scope of work includes topographic survey, engineering development of preliminary and final plans for construction of RCUTs, J-turns, U-turns, bulbouts, subsurface drainage, and traffic signal plans. The project will convert full access median openings at Rue Blanc Road and LA 696 into partial median openings with left turn lanes; convert the full access median opening at LA 697/Derek Road into an R-CUT intersection with northbound and southbound U-Turns; modify the existing R-CUT intersection at LA 699/Fusilier Road to improve geometry.

New turn lanes and bulbouts are designed to the latest LADOTD geometric guidelines. Subsurface drainage will collect water from the median and turn lanes and provide additional capacity at cross drains below U.S. 167. Additional improvements include new permanent pavement markings.

Converting the series of full-access median opening intersections to progressive RCUTs with U-turns or J-turns provides fewer conflict points at the intersections proper by allowing left turns and U-turns from U.S. 167 and shifting side street left turns up and downstream of the intersection proper; bulbouts at the U-turns will accommodate larger vehicles.

Key Staff: Adam Fields

Project Relevancy: Road Design Services



17. Firm Experience:				
Firm name	Stanley Consultants, Inc.		Discipline(s)*	
			Road	
Project name	U.S. 190 R-CUT AT LA 741			Firm responsibility (prime or sub?)
				Prime
Project number	H.015849.5		Owner's name	LADOTD
Project location	St. Landry Parish, Louisiana		Owner's Project Manager	Kyle East, PE
Owner's address, phone, email		228 Rue de Voyages, Louisiana 70508 / (337) 262-2262 / kyle.east@la.gov		
Services commenced by this firm (mm/yy)	09/24		Total consultant contract cost (\$1,000's)	\$386
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm (\$1,000's)	\$294

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

Stanley was contracted by LADOTD District 03 to perform engineering design services to convert a conventional four-way intersection at U.S. 190 and LA 741 to an R-CUT configuration with upstream and downstream J-Turns with bulbouts for larger design vehicles in Port Barre, Louisiana.

U.S. 190 is considered a principal rural arterial roadway within the project limits and serves as the primary alternate route to I-10 between the metropolitan centers of Baton Rouge and Lafayette. The scope of work includes topographic survey, engineering development of preliminary and final plans for construction of the RCUT, J-turns, bulbouts, and subsurface drainage. New turn lanes and bulbouts are designed to the latest LADOTD geometric guidelines. Subsurface drainage will collect water from the median and turn lanes and provide additional capacity at cross drains below U.S. 190 and LA 741. Additional improvements include reconstruction of a portion of the EB U.S. 190 outside shoulder due to extreme surface-to-subbase longitudinal cracking and mill and overlay of existing pavement with new permanent pavement markings. Stanley and District 03 will also coordinate with the adjacent railroad entity to ensure improvements have minimal impacts to the railbed and RR ROW.

Converting the four-way intersection to a progressive RCUT and J-turn configuration provides fewer conflict points at the intersection proper by allowing U.S. 190 left turns onto LA 741. Left turn and thru movements from LA 741 will be shifted to the downstream J-turns. Additionally, the new median turn lanes and inlets will be drained via subsurface drainage and outlet to a new parallel cross drain adjacent to existing cross drains under U.S. 190 and LA 741. Finally, a portion of the EB U.S. 190 outside shoulder will be reconstructed to eliminate significant deep longitudinal cracking.

Key Staff: Adam Fields

Project Relevancy: Road Design Services



17. Firm Experience:				
Firm name	Stanley Consultants, Inc.	Discipline(s)*		Road, Traffic
Project name	LA 30 ROUNDABOUTS AT TANGER MALL AND I-10		Firm responsibility (prime or sub?)	Prime
Project number	H.010960.5	Owner's name	LADOTD	
Project location	Ascension Parish, Louisiana - District 61	Owner's Project Manager	Joshua Harrouch, PE, PTOE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 242-4640 / joshua.harrouch@la.gov		
Services commenced by this firm (mm/yy)		03/17	Total consultant contract cost (\$1,000's)	\$1,074
Services completed by this firm (mm/yy)		07/22	Cost of consultant services provided by this firm (\$1,000's)	\$825

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

Stanley provided engineering and related services to develop full-size construction plans for roundabouts at the intersection of LA 30 and Tanger Boulevard, and at the Eastbound and Westbound ramp termini at the LA 30 and I-10 Interchange in Gonzales, Louisiana.

This project is very similar in terms of roadway design scope of services to this LA 44: I-10 Roundabouts project. In order to relieve congestion and mitigate intersection safety concerns through the LA 30 corridor in Gonzales, Louisiana, Stanley provided design phase services for the replacement of three existing signalized intersections with three roundabouts. Early and often coordination with LADOTD's Traffic and Road Design Sections resolved concerns related to constructability issues and roundabout operations. Design challenges overcome during the project included the use of spiralized geometry; significant utility coordination with the City of Gonzales and their representative engineering firm; sequencing construction to maintain all travel lanes through this high ADT corridor and through the I-10 ramp termini; and addressing the constant ongoing development within the project area during design. The team had to be nimble to keep up with and accommodate the many changes and evolving conditions. These are all challenges that will be encountered during this LA 44: I-10 Roundabouts project.

Complex spiral geometry was required to provide all necessary turning movements through each of the three roundabouts included in this project. This project was sequenced to be constructed while maintaining all lanes of through traffic.

Key Staff: Jesse Tisdale, Adam Fields, Jared Blohowiak

Project Relevancy: Road Design Services



17. Firm Experience:					
Firm name	Vectura Consulting Services, LLC		Discipline(s)*		Traffic
Project name	I-10 ITS SCOTT TO LAKE CHARLES			Firm responsibility (prime or sub?)	Sub
Project number	H.013256.5		Owner's name	LADOTD	
Project location	Lafayette, Acadia, and Jefferson Parishes, Louisiana - District 7		Owner's Project Manager	Roy Esteven, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-2527 / roy.esteven@la.gov			
Services commenced by this firm (mm/yy)		01/21	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)		03/21	Cost of consultant services provided by this firm (\$1,000's)		\$20,162

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

Vectura performed a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included the following activities:

- Safety strategy that included a CAT Scan
- LOS determination utilizing Citrix data
- Lane closure recommendations based on a queue analysis
- Cost estimate
- Public information strategies

Key Staff: Laurence Lambert, Brin Ferlito, Reece Rodrigue, Kristen Farrington

Project Relevancy: Traffic Services

Applicable for this project (Required (✓))	Level 2 TMP Components	Stage 0	Stage 1	Stage 3		Workflow Notes
				Preliminary 60% Submittal	Final 90% Submittal	
	Analysis			Percent Complete		
	* Detour Analysis	100%				①
	* Queue Analysis according to EDSM/VII.1.1.4	100%				①
	Documentation			Percent Complete		
✓	* TTC Details			50%	100%	②
	* TTC Plan (based on type and location of construction)			50%	100%	②
	* Mitigation (if the current roadway is LOS F)	60%	100%			④
	* Mitigation (if the roadway is on the Abnormal Crash Location list)	60%	100%			④
	* Evacuation Strategy (if used as an evacuation route)	100%				④
	* Work Restrictions	20%	50%	70%	100%	④
✓	* Basic Public Information release at the District level			60%	100%	④

17. Firm Experience:				
Firm name	Vectura Consulting Services, LLC	Discipline(s)*		Traffic
Project name	I-20 LA 544 OVERPASS REPLACEMENT		Firm responsibility (prime or sub?)	Sub
Project number	H.010616	Owner's name	LADOTD	
Project location	Baton Rouge, Louisiana	Owner's Project Manager	Jacob Fusilier, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1185 / jacob.fusilier@la.gov		
Services commenced by this firm (mm/yy)		04/23	Total consultant contract cost (\$1,000's)	Unknown
Services completed by this firm (mm/yy)		10/23	Cost of consultant services provided by this firm (\$1,000's)	\$131

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

Vectura performed a Level 2 TMP that included the following activities:

- Preliminary and final traffic studies
- Temporary and final traffic signal plans
- TMP:
 - » Safety strategy that included a CAT Scan
 - » LOS determination utilizing Citrix data
 - » Lane closure recommendations based on a queue analysis
 - » Cost estimate
 - » Public information strategies

Key Staff: Laurence Lambert, Brin Ferlito, Reece Rodrigue, Kristen Farrington

Project Relevancy: Traffic Services

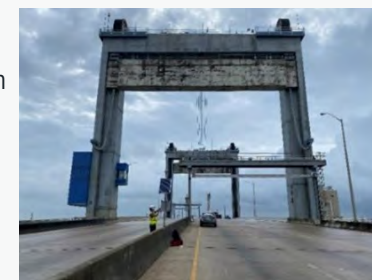


17. Firm Experience:				
Firm name	Wiss, Janney, Elstner Associates, Inc.	Discipline(s)*		Bridge
Project name	DANZIGER LIFT BRIDGE REPAIR		Firm responsibility (prime or sub?)	Prime/Sub
Project number	Contract 4400009424, H.000303.6; 44-21594, H.000303.6	Owner's name	LADOTD	
Project location	New Orleans, Louisiana	Owner's Project Manager	Mark Bucci, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1076 / mark.bucci@la.gov		
Services commenced by this firm (mm/yy)		07/19	Total consultant contract cost (\$1,000's)	\$1,662
Services completed by this firm (mm/yy)		07/25	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 staff 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.



Key Staff: Jonathan McGormley, John Williams, Gareth Rees

Project Relevancy: Bridge Non-Destructive Testing



SECTION 18

Approach and Methodology

18. Approach and Methodology:

INTRODUCTION | PROJECT UNDERSTANDING

HNTB brings unparalleled experience delivering LADOTD Bridge Preservation Services contracts. With uninterrupted service across the past four contract cycles and successful delivery of 83 task orders since 2011, HNTB has gained a comprehensive understanding of the project scoping needs and how LADOTD utilizes the Bridge Preservation Services contract. This experience allows HNTB to efficiently contract, manage, and deliver multiple concurrent task orders on schedule to LADOTD's expectations. HNTB is eager to continue supporting the LADOTD's Bridge Department in their mission to support mobility and asset management and protect public safety by producing safe, high-quality, practical, and innovative structural, mechanical, and electrical designs.

Our highly skilled professionals, combined with a proven track record in delivering projects critical to Louisiana's transportation infrastructure, form a full-service team of local staff supported by national expertise. We bring recent, relevant experience to effectively manage and deliver projects of all magnitudes to the high standards of the LADOTD. This approach is informed by 60+ years of successful and relevant partnership with the LADOTD.

PAST RETAINER HISTORY

2011		2015		2020		2022	
18 Task Orders	2 Bridge Designs	31 Task Orders	8 Bridge Designs	22 Task Orders	7 Bridge Designs	18 Task Orders	7 Bridge Designs
	8 Rehabs		8 Rehabs		1 Rehab		1 Rehab
	1 GRES		11 GRES		2 GRES		2 GRES
	2 Lighting / Electrical		6 Feasibility		1 Feasibility		1 Feasibility
	2 Instrument Testing		1 Instrument Testing		1 Lighting / Electrical		1 Lighting / Electrical
	3 Other						6 Waiting Execution

THE HNTB TEAM

As the prime consultant, HNTB brings a wealth of knowledge and expertise in bridge preservation, professional engineering and technical services in all stages of the project life cycle. Supported by a deep bench of HNTB national resources, our extensive experience in bridge replacement, rehabilitation, and repair projects allows us to offer practical, economical, and constructable solutions. To complement our bridge design services, we have engaged a team of highly specialized subconsultants, each recognized as an expert in their discipline in Louisiana, to deliver comprehensive professional and technical solutions. Our team structure provides depth in road design, geotechnical engineering, and environmental services as reflected in our organizational chart, allowing us to efficiently staff and deliver multiple task orders at once while maintaining high

standards of technical excellence. This flexibility ensures LADOTD benefits from a team with the ability to properly staff for each task order based on required skill sets, robust staffing for multiple concurrent task orders, and streamlined delivery for smaller assignments.

HNTB Corporation	Bridge Engineerings Services, Bridge Inspection Services
Ardaman & Associates, Inc.	Geotechnical Services
Coastal Environments, Inc.	Environmental and Permitting Services
ELOS Environmental, LLC	Environmental and Permitting Services
Forte & Tablada, Inc.	Surveying Services
Gulf South Land Title Services, LLC	Property Title Work
KGC Environmental Services, Inc.	Painting/Coating, Testing, Sampling
Moffatt & Nichol, Inc.	Underwater Bridge Inspection
Stanley Consultants, Inc.	Road Design Services
Vectura Consulting Services, LLC	Traffic Services
Wiss, Janney, Elstner Associates, Inc.	Bridge Non-Destructive Testing

TASK ORDER MANAGEMENT

HNTB recognizes the importance of building the best team for each task order that is issued through the Bridge Preservation IDIQ. It is imperative that individuals with the appropriate skillsets be brought in during the task order development process to define the scope accurately and efficiently. **Project Manager, Josh Porter, PE**, will work with the LADOTD project manager at the initiation of each task order to identify the correct task order manager and engage with the proper subconsultants to prepare for project scoping and staffing. Josh is the project manager of HNTB's current IDIQ Contract for Bridge Preservation Services and has extensive experience in multi-discipline project management and task order management, as well as bridge design, rehabilitation, repair, load rating, inspection, and plan production. Understanding that multiple task orders will be concurrently active at any given time, HNTB has structured our team with three additional task order managers in addition to Josh to support project scoping and delivery at the task order level. HNTB will manage task orders through a collaborative leadership team consisting of **Josh Porter, Benjamin Goodner, Marc Hoffmann, and Patrick Duffy**. Each has served as task order managers and lead designers on previous Bridge Preservation IDIQs, bringing extensive experience and institutional knowledge to every assignment.

This team of task order managers will work closely with LADOTD to scope each task order accurately and efficiently, ensuring the right technical experts are engaged from the outset. Their familiarity with LADOTD's expectations and internal processes allows for seamless coordination and delivery.

Project/Task Order Development

For any task order initiated by LADOTD, HNTB will ensure a timely and accurate task order execution. Multiple task order managers allows for multiple task orders to be developed and managed in tandem.

Initial Contact: The LADOTD project manager reaches out to Josh to alert him of a new task order request. Together, they discuss the potential scope, the needs of project, the potential challenges that could arise, the types of services that could be needed, and an overall project schedule.

Task Identification/Project Manager Identification: Josh will then take the information gathered from the initial contact and begin assembling a project team. He will identify the various services that will be required to deliver the work and assign a project manager from the available task order managers. The task order manager will engage the most suited subject matter experts from the organization chart to explain the scope of the project. After the finalization of the project team, we will begin developing a scope and cost proposal for the project.

Scoping Meeting/Contract Development: After an initial draft of scope items, the HNTB team will set up a scoping meeting with the appropriate counterparts at LADOTD to finalize the details of the scope. We will collaborate to develop a detailed task list to ensure quality delivery of the scope. A draft of the scope and a fee proposal will be then developed and submitted to LADOTD for review.

Issuance of Task Order: Following the agreement of all parties on the scope and the level of effort required to complete it, the department will initiate a task order through the Consultant Contract Services section.

BRIDGE DESIGN SERVICES

Bridge Engineering Services: HNTB will provide comprehensive bridge engineering services for both fixed and movable structures, addressing the full spectrum of project types including new bridges, replacements, rehabilitations, preventive maintenance, and repairs. Our approach is grounded in LADOTD's Bridge Design and Evaluation Manual (BDEM), Bridge Design Technical Memoranda, Engineering Directives and Standards Manuals (EDSMs), and Standard Specifications for Roads and Bridges, ensuring all deliverables meet agency expectations.

New Bridges and Replacements: For new and replacement bridges, HNTB will begin with reviewing all existing relevant project information including geotechnical investigations, hydraulic memo, traffic analysis, collection of survey data, and review of existing inspection reports, load ratings, and as-builts, if available. We will develop design criteria in accordance with Appendix A - Design Criteria Checklist of the BDEM and submit for LADOTD approval. We will evaluate site constraints, span requirements, and constructability to select the optimal bridge type (e.g., prestressed concrete girders, steel plate girders, slab spans, or segmental construction). All designs, from substructures to bridge decks, will use AASHTO LRFD Bridge Design Specifications and BDEM criteria for live loads, dead loads, wind, seismic, vessel collision, and other applicable loads. Superstructure and substructure components will be sized and detailed to meet strength, service, and durability requirements. Bridge geometry (alignment, profile, cross-section) will be developed to ensure safe roadway transitions and adequate clearances. Movable bridges will be compliant with BDEM Vol 2 - Movable Bridge Design,



TEAM HIGHLIGHT

HNTB reviewed existing material in a recent I-12 over Hog Branch widening task order and discovered that existing pile depths did not meet minimum requirements for scour. In the existing material review, HNTB also discovered that the bridge experienced scouring and that if unaddressed, would cause severe safety concerns for the traveling public. The discovery led to a change in scope from bridge widening to replacement.

with additional structural design checks relative to unique loading situations such as increased dynamic loading, mechanical facilities induced loading, and operator housing.

Bridge Rehabilitation and Repair: When preparing design and plans for bridge rehabilitation, it is critical to begin by following the explicit guidelines in BDEM Part I Chapter 6 - Design Policy for Bridge Rehabilitation/Repair Projects. This includes reviewing all existing project documents, performing a field investigation of the existing bridge, evaluating the load carrying capacity of the existing structure, and then determining the proposed scope for rehabilitation.

Rehabilitation services often require an approach that is all encompassing to improve the bridge's condition and load carrying capacity. For a truss main span, this may include services such as strengthening and replacing splice plates, painting all structural steel, modifying existing drain holes for better drainage, replacing false chord expansion members, replacing rivets and bolts, and other repairs. In addition, electrical tasks including navigation lighting replacement, wiring and conduit replacements, and access platform installation may be necessary. For bridges experiencing significant maintenance issues, solutions may include bearing pad replacement, precast backwall panel replacements, approach slab replacements, anchor bolt replacements, joint seal replacements, structural concrete patching, and placing an epoxy-urethane overlay on the bridge deck.

For repair projects, a more localized approach is needed to repair the few damaged elements that are resulting in a load posting or limiting the load carrying capacity of the structure. These types of repairs may include heat straightening and girder strengthening through use of cover plates for impacted steel girders or strand splicing and carbon-fiber reinforced polymer wrapping impacted prestressed concrete girders.

Both rehabilitation and repair projects benefit from accelerated bridge construction options and utilizing coordinated phased construction techniques to minimize traffic impacts.

Bridge Load Rating: HNTB's bridge load rating services begin with a thorough review of all available bridge documentation, including as-built plans, shop drawings, prior load ratings, inspection reports, and any records of repairs or modifications. Our team conducts site visits if needed to verify field conditions, collect missing data, and ensure all relevant information is incorporated into the analysis.

Using AASHTOWare Bridge Rating (BrR), LEAP Bridge Concrete, and STAAD we develop or update structural models to analyze dead and live load effects, including legal and emergency vehicles. All ratings and deliverables are in accordance with AASHTO LRFD, the AASHTO Manual for Bridge Evaluation, and the LADOTD BDEM Vol. 5 Section 6 (Load Rating). Ratings are performed for as-designed, as-built, and condition based scenarios. If a bridge requires posting, we notify LADOTD immediately and, if needed, perform refined analysis or field testing. All findings are documented in clear, comprehensive reports, including rating factors, assumptions, and recommendations for repairs or strengthening. Updated ratings are provided as new inspection data or repairs become available, ensuring LADOTD has accurate, actionable information for asset management and safety.

Peer Review: Our team of peer reviewers are licensed professional engineers with substantial experience in the design of similar projects. The peer review comments will be submitted to LADOTD and the design team for evaluation. Resolutions agreed upon by all parties including the designer, peer reviewer, and LADOTD will be incorporated in the final design. A Peer Review Resolution Agreement will be signed by the peer reviewer, the supervisor or team leader of the design team and a LADOTD representative. A comment resolution form tracking all comments, the respective parties, and final actions, will also be submitted.

Construction Engineering Support: The HNTB team has the capabilities to provide construction engineering support services necessary to support project construction activities. Construction drawing reviews and responses to RFIs will be performed in accordance with the BDEM, Road Design Manual, and Louisiana Standard Specifications for Roads & Bridges. The review of value engineering proposals and contract proposals will be conducted in accordance with the LADOTD Design Build Manual, FHWA requirements, and LADOTD EDSM I.1.1.18.

Sampling, Instrumentation, and Non-Destructive Testing (NDT): **Wiss Janney, Elstner Associates, Inc.** will lead the HNTB team in performing instrumentation and NDT. **KCG Environmental Services, Inc.** will lead in all painting/coating testing and sampling. Load testing, a form of NDT, is the process of deliberately loading a bridge with a predetermined load and measuring the bridge's response. Load testing is an example of NDT that is used to determine the actual performance of a bridge and compare the results with the computerized modeling analysis of a bridge. This practice is most useful when either the original plans of the structure are no longer available, or it is believed that the bridge contains a higher load carrying capacity than is being calculated by traditional analysis.

All sampling, instrumentation, and NDT will be performed by experienced technicians and engineers, with results documented. Findings are summarized in clear, actionable reports, supporting LADOTD's asset management, maintenance, and safety objectives.

BRIDGE/STRUCTURAL INSPECTION SERVICES

HNTB provides comprehensive inspection and evaluation services for existing bridges and other structures, including sign trusses and fender systems, using NBIS-certified teams and advanced access techniques. All inspections are performed in accordance with FHWA, AASHTO, and LADOTD standards, including the Bridge Inspection Manual (BIM) and Manual for Bridge Evaluation (MBE).

Our approach includes:

- » Hands-on, element-level inspections of the superstructure, substructure, and ancillary structures using rope access and snooper trucks to ensure complete coverage with minimal traffic disruption.
- » Specialized testing (NDT, coatings, LiDAR, sonar) as needed for thorough evaluation.
- » Underwater inspection services to be provided by **Moffatt & Nichol, Inc.** in accordance with FHWA Underwater Bridge Inspection Reference Manual.
- » Clear, actionable reports delivered via LADOTD's InspectX system, including photographic documentation, sketches, and prioritized recommendations for repairs or further action.

Our team has a proven record of delivering timely, high-quality inspection reports for LADOTD, supporting asset management and preservation goals statewide.

GEOTECHNICAL SERVICES

The HNTB team has the capability to provide geotechnical services necessary to perform geotechnical investigations, analysis and design. Our geotechnical investigations will be led by **Ardaman & Associates, Inc.** Design and analysis efforts will be completed by HNTB and Ardaman & Associates, Inc. Geotechnical field investigations (deep and shallow borings, CPTs, etc.) will be performed in accordance with ASTM standards, LADOTD Driven Pile Design & Verification using AASHTO LRFD Bridge Design Specifications, and FHWA-IF-02-034 GEC 5. Once all laboratory testing has been completed, geotechnical analysis and design will be performed using SEEQUENT Geostudio

2023.1.1, Ensoft APILE 2019, Ensoft SHAFT 2023, Ensoft LPILE 2022, and Rocscience Settle3 and in accordance with the LRFD Bridge Design Specifications and Current FHWA Geotechnical Engineering Circulars. Construction related engineering services (e.g., field construction monitoring and analysis) will be provided for specific projects in conjunction with our construction support team.

ROAD DESIGN, HYDRAULICS, AND TRAFFIC SERVICES

Road design efforts will be led by **Stanley Consultants, Inc.** Roadway engineering design will be completed in accordance with the latest requirements of the LADOTD Roadway Design Procedures and Details, the LADOTD EDSM, the AASHTO Policy on Geometric Design of Highways and Streets, and AASHTO Roadside Design Guidelines. We will provide plans in compliance with the LADOTD CAD standards. Roadway design will be completed with the use of Power InRoads (SS2) and our construction cost estimates will utilize the LADOTD standard bid items and the LADOTD's bid history estimate tool, with consideration for the project location and magnitude of items.

Hydraulic analysis and design efforts will be led by HNTB. For a project requiring hydraulic analysis, a HEC-RAS hydraulic model of the water crossing will be created to evaluate the performance of the existing and proposed structure. The proposed structure type, size, and location will be designed to minimize the hydraulic impact at the existing structure location while providing a safe road crossing for traffic. The complete HEC-RAS analysis, along with a Final Hydraulic Analysis Report, will be submitted to LADOTD for review. The proposed structure will be analyzed in accordance with the LADOTD Hydraulics Manual, BDEM, and LADOTD Hydraulic Design Guidelines Off-System Bridge Program, if applicable.

Traffic services will be led by **Vectura Consulting Services, LLC.** All traffic data collection will be performed in accordance with the LADOTD Traffic Engineering Manual, the FHWA Traffic Monitoring Guide, the Highway Capacity Manual, and the MUTCD. TranPLAN, TransCAD, CORSIM, and VISSIM will be utilized to develop and utilize traffic models to inform and justify project solutions. Following model development, traffic control analysis and design will take place to compare alternatives. TMPs will be developed in accordance with EDSM VI.1.1.8.

SURVEYING AND TITLE WORK SERVICES

The HNTB team is equipped to deliver all surveying services necessary to provide project design information and support right-of-way acquisition. Data to support this acquisition is derived from performing boundary surveying, topographic and bathymetric surveying, and developing drainage maps. All survey services will be led by **Forte & Tablada, Inc.** For property title work, **Gulf South Land Title Resources, LLC** will be utilized. Primary control monuments will be set in stable, secure locations using permanent materials and referenced to NAD83 and NAVD88. The HNTB team has the ability to install deep rod monuments if needed. Vertical control will include a closed level loop, per LADOTD guidelines. Upon completing the control network, a horizontal and vertical control sketch will be submitted.

Topographic surveys will adhere to LADOTD standards, while also utilizing LiDAR methods for busy roadways. Mobile LiDAR, if required, will follow California DOT and LADOTD standards, per LADOTD guidelines. Final deliverables will comply with LADOTD's topographic survey submittal requirements.

ENVIRONMENTAL AND PERMITTING SERVICES

Environmental and permitting services will be led by **ELOS Environmental, LCC** and **Coastal Environments, Inc.** who can perform all required environmental and permitting services required.

These include CUP, wetland permits, Section 10 permits, Water Quality Certification, Scenic Stream permits, bridge permits, and levee permits. We coordinate closely with LADOTD and regulatory agencies to prepare and submit environmental documentation, track mitigation commitments, and support compliance throughout project development and construction. Our approach ensures that environmental services are integrated into the project schedule, minimizing delays and supporting the timely delivery of preservation work.

PROJECT DELIVERY

HNTB has successfully delivered LADOTD projects with varying project schedules and deliverable milestones, ensuring that letting schedules on all projects are maintained. HNTB understands that all projects are developed to different stages before task orders are executed, and the HNTB Team is structured to progress projects to final completion regardless of the initial project development. From projects beginning at 30% Preliminary Plans to projects progressing straight to 60% Final Plans, and everywhere in between, HNTB uniquely understands the documents and designs required at each submittal stage.

Shown to the right are two different project schedules that showcase how HNTB delivered an emergency repair project as well as a bridge replacement project; both schedules are actual projects that HNTB successfully delivered for LADOTD.

Emergency type repair projects require aggressive schedules due to the rapidly deteriorating nature of structure and do not require many services outside of bridge design. With this in mind, HNTB is able to eliminate some deliverable milestones and deliver final plans in roughly six months. This is achieved by performing a timely site-assessment inspection and providing repair recommendations. 60% Final Plans showcase the overall types of repairs to be performed and on which members of the bridge, allowing LADOTD to clearly understand the repair objectives. Accompanying 60% Final Plans is an approximate construction cost estimate providing LADOTD an understanding of the cost impacts of the project. A crucial component of 60% Final Plans is showing fully developed Traffic Control plans for the LADOTD Traffic Section to provide input and understanding of the traffic impacts for the proposed repairs. After all comments are received from the 60% Final Plan submittal, HNTB is able to turn around a 95% Final Plans deliverable quickly. 95% Final Plans show a complete and constructable plan set, including cost estimate. HNTB is then able to address any comments and turn around 100% Final Plans shortly after the 95% Final Plan meeting, successfully completing the plan deliverable phase of the project within six months.

Full bridge replacement type projects require progressing the project fully through both Preliminary and Final plan stages due to the original bridge footprint, and even sometimes bridge structure type, being modified. This requires a multi-disciplined effort spanning roughly 18 months from task order execution to 100% Final Plans delivery. Through the Preliminary phase of the project, disciplines such as Survey, Geotechnical Investigations, Environmental, Hydraulics, and Roadway are heavily engaged. As many of these disciplines are either part of a critical path or are required to run concurrent with another, ensuring all disciplines communicate and stay on track is imperative. For instance, ensuring that all General Plan and Elevation sheets are complete at the 60% Preliminary stage ensures that Environmental has accurate information to use in the submittal of all the Environmental checklists and reports. Providing a fully developed roadway plan set at the 95% Preliminary stage ensures a productive Plan-In-Hand meeting, solidifying ROW taking and utility impacts. For Bridge, finalizing Foundation Layouts, General Plan and Elevations, and Construction Phasing during the Preliminary stage ensure minimizes changes in Final Plans for all disciplines. During Final Plans, the Bridge

effort significantly ramps up to ensure a complete and constructable plan set and cost estimate are achieved at the 95% Final Plan stage. Creating a complete and constructable plan deliverable at 95% Final Plans ensures 100% Final Plans are delivered shortly after the 95% Final Plan meeting.

BRIDGE IMPACT TASK ORDER						
Task & Deliverables	Months					
	1	2	3	4	5	6
NTP						
Review of Existing Material						
Traffic Control Plans for Inspection						
Field Inspection of Impact Damage						
Inspection Findings and Repair Recommendations Report						
60% Final Plans						
Repair 95% Final Plans and Construction Cost Estimate						
LADOTD Review						
Repair 100% Final Plans and Construction Cost Estimate						
Calculation Book and As-Repaired Live Load Rating Report and Files						

BRIDGE SPOT REPLACEMENT TASK ORDER																	
Tasks and Deliverables	Months																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NTP																	
Survey																	
Geotechnical Investigation																	
Environmental Services																	
Hydraulic Analysis																	
Design Criteria																	
Preliminary Design Report																	
60% Preliminary Plans																	
95% Preliminary Plans																	
100% Preliminary Plans & Cost Estimate, Design Waivers or Exceptions																	
Geotechnical Interpretation Report																	
60% Final Plans & Cost Estimate																	
Final Design Waiver or Exceptions, Final Design Report																	
95% Final Plans & Cost Estimate																	
98% Final Plans & Cost Estimate																	
100% Final Plans & Cost Estimate, Calculations book, As-Designed Load Rating																	



SECTION 19
Workload

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**
HNTB Corporation	Bridge	44-24189	State Bridge Preservation	
		H.12899.6	Task Order 2 - I-20 Rehab CRES	\$61,619
		H.002337.5	Task Order 6 - Bayou Fountain	\$7,983
		H.015935.6	Task Order 7 - Bayou Bienvenue CRES	\$103,820
		H.014059.5	Task Order 8 - US 80 Bridges over Minden	\$754,597
		H.016276	Task Order 10 - Sidney Leblanc Rd over Coulee	\$240,796
		H.015911	Task Order 9 - Grover Jones Rd over Williams Creek	\$248,736
		44-25029	IIJA Off-System Bridge Program	\$417,352
			Statewide Complex Bridge Inspection	
		44-23512	Task Order 3 - BIM Updates and Load Rating	\$181,446
			Task Order 9 - GNO #2, I-10 Calcasieu Inspection	\$497,147
		44-4900; H.008145.6	LA 1 Phase 2	\$4,934,439
		44-21594; H.009859.5	Complex Bridge Rating	\$43,726
		44-28432; H.015569.5	LA 44 I-10 Roundabout	\$245,626
	Other (Weigh Stations)	44-23812	Statewide Weigh Station Assessment, Rehab and Plan Development	
		H.015377.1	Task Order 2	\$1,703,493
	Planning	44-21094	Statewide Transportation Plan	\$551,873
	Other (Tolling)	44-23640	Toll Support IDIQ	
			Task Order No. 3 - LA1 Facility Implementation	\$342,704
			Task Order No. 6 - Toll Services	\$2,061,062
	Environmental	44-26365; H.015223	BR to NO Passenger Rail Corridor Environmental Study	\$183,039
	ITS	44-25921; H.015938.1	TSMO Strategic Plan	\$28,258
	CE&I/OV	44-23074; H.010960	LA 30 Roundabout @ Tanger Mall	\$211,276
		44-27349	Calcasieu River Bridge OV	\$33,509,459
	Other (Railroad)	44-27876; H.015223.1	Intercity Rail Program	\$4,665,051

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**
Ardaman & Associates, Inc.	Geotech	44-4128; H.004273	I-49 Connector, Lafayette	\$265,164
		44-18899; H.004791	LA 23 Belle Chasse Bridge & Tunnel (HBI)	\$38,344
		44-19013; H.004100.5 & .6	I-10 CMAR Design Continuation: LA 415 to Essen on I-10 & I-12	\$512,618
		H.004435	I-12 to Bush Construction Phase	\$44,544
		44-8671; H.009266	I-10 Widening LA 73 to LA 30	\$25,760
		44-19013; H.002244.5	Boudreaux Canal Bridge (LA 56)	\$180
		44-17438; H.013284	MRB GBR LA 1 to LA 30 Connector	\$2,781
		44-6189; H.004647.6	I-20 Mississippi River Bridge at Vicksburg	\$1,629,421
		H.015935	LA 47 @ Bayou Bienvenue Bridge Replacement PDA	\$23,059
		44-25025; H.015337, H.015452, H.015453, H.015454, H.015455, H.015456, H.015457, H.015458, H.015459, H.015460, H.015461, H.015462, H.015463	IIJA	\$77,119
		44-24652; H.014265.5	N River Road Irving Branch	\$65
		44-24652; H.012533.5	LA 1252 Bayou Pt Brule Bridge	\$39
		44-24652, H.012607.5	Henderson Bayou Bridge LA 933	\$65
		44-24652, H.015568.5, H.015569	Pelican Point Roundabout	\$10,980
		44-24652; H.012842.5	LA 124 Ext. Larto Lake	\$152
		44-21519; H.012030.5	KCS RR Overpasses US 371	\$44,036
		44-21887; H.012542, H.012453, H.012544, H.012047	Replacement of 15 Bridges	\$579,165
		44-6189; H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5	Culvert Replacements	\$203,307
		H.015429, H.015430, H.015432	IIJA	\$14,545
		H.001798	LA 531: Bridges Near Dubberly	\$51,410
		H.15477	Caddo & Bossier Pavement	\$23,710

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**
Coastal Environments, Inc.	Environmental	4400032049; H.003931.6	Norris Point Site Archaeological Mitigation	\$2,057,620
		4400023973; H.000358.2	U.S. 190/LA 415 Interchange GPR Survey	\$57,419
		4400023973; H.005121.2	LA 1/LA 415 Anomaly Testing	\$7,049
ELOS Environmental, LLC	Environmental	44-0019337; H.014245	LA-119 Bayou Pierre and Creek Bridges	\$15
		44-0019337; H.014247	LA-399 Creeks, Little 6 Mile Creek, Flat Branch	\$26
		44-0019337; H.014248	LA-124 Creeks, Broke Leg Bayou, Boggy Bayou	\$14
		44-0019337; H.014248.5	LA-124 On site Detours - Supplemental Task Order	\$10
		44-0027734; H.014362	Lake Road in St. Tammany Parish	\$22,812
		44-0025041; H.015430	Hood Road, Middle Colyell Creek - IIJA Off-System Bridges	\$15
		44-0025041; H.015431	Sawmill Road, Unnamed Creek - IIJA Off-System Bridges	\$17
		44-0021326; H010074.1	LADOTD Stage 0 IDIQ-LA 3089 Serve Rd/LA 70 Up	\$2,760
		44-00024189; H.015911	Grover Jones over Williams Creek	\$1,342
		44-00024189; H.016276.5	Sidney Lablanc Road over Coulee	\$1,338
		44-00024189; H.014059	U.S. 80 Bridges Near Minden	\$24,661

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**
Forte & Tablada, Inc.	Bridge	4400021594; H.000303.6	Task Order No. 3 - Danziger Bridge Rehabilitation	\$3,615
		4400021594; H.009730.5	Task Order No. 4 - In Depth Bridge Inspection T-1 Steel Weld Assessment	\$562
		4400021594; H.015228.5	Task Order No. 5 - LA 70 Sunshine Bridge Emer Truss Repair	\$13
		4400021594; H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	\$1,125,031
		4400021594; H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	\$149,009
		4400021594; H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	\$5,200
		4400021594; H.009859.5	Task Order No. 10 - Statewide Bridge Rating	\$1,168,059
		4400025037; H.014994.5	OSBR Bonne Idee Road over Bonne Bayou	\$3,487
	Bridge, Survey	4400024589; H.014990.5	OSBR S. Tiger Bend Road & East Achord Road Bridges	\$7,428
		4400013387; H.013137.5	OSBR Ouachita	\$23,249
		4400019864; H.014318.5	OSBR Gurney Road Bridges	\$4,708
		4400021594; H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	\$51,603
	CE&I/OV	4400023837; H.013090.6	Gretna Downtown Pedestrian Improvements	\$17,868
		4400023837; H.009290.6	LSU Laboratory School SRTS Project	\$5
	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	U.S. 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

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**
Gulf South Land Title Resources, LLC	Other (Abstract of Title)	H.002423	LA Highway 44 (Black Bayou Bridge)	N/A
		H.000466	U.S. Highway 190 Intersection Improvements at Eden Church Road	N/A
		H.002780	LA Highway 308 Curve Improvements	N/A
		700-03-0125	LA Highway 42 Widening & Improvements	N/A
		H.009012	LA Highway 10 & 67	N/A
		H.002333	LA Highway 327 Bayou Paul Bridge	N/A
		H.003790.5	LA Highway 930 (Ascension LA Highway 929 to LA Highway 42)	N/A
KGC Environmental Services, Inc.	CE&I/ OV	44000027614; H.009461	LA 182 Berwick Bay Bridge Rehab (HBI) Route LA 182, St. Mary Parish	\$100,000
Moffatt & Nichol Inc.	Bridge	4400029207; H.009730.5	LADOTD IDIQ Contract for Underwater Inspections - Task Order 1	\$3,389,116
		4400023512; H.009730.5	LADOTD IDIQ Contract for Complex Bridge Inspections - Task Order 8	\$150,263
		4400024187; H.014609.1	LADOTD IDIQ Contract for Bridge Preservation - Task Order 14 Cameron Ferry Landing Replacement	\$40,028
	Other (Rail)	4400011834; H.012811.1	LADOTD Railroad Inventory Systems Railroad Inventory Upgrade - Supplemental Agreement 1	\$48,239

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**
Stanley Consultants, Inc.	Road	44-23943; H.009892	U.S. 90 FR Exit to LA 329	\$320,216
		44-23943; H.016278	U.S. 167 Median Improvements	\$380,019
		44-23943; H.014886.5	U.S. 90 Lafitte Ave to France Road	\$222,541
		44-27093; H.016141	LA 353 Cypress Isl Ext-LA 31	\$83,926
		44-27093; H.016110	LA 31 LA 94 - LA 341	\$176,959
		44-23943; H.013941	LA 724 Roundabout at Landry Road	\$98,979
		44-27093; H.014041	Inter. Imp. on LA 92 @ LA 733 & Gallet Road	\$172,000
		44-28432; H.015569.5	LA 44 I-10 Roundabouts	\$729,582
		44-23943; H.012633	LA 1088 Forest Brook Boulevard Roundabout	\$344,412
		44-27093; H.015849	U.S. 190 R-Cut @ LA 741	\$158,277
		44-23943; H.009892	U.S. 90 FR Exit to LA 329	\$320,216
		44-27093; H.014824	U.S. 90 @ Wax Lake	\$243,574
		44-27093; H.015847	U.S. 90 LA 668 to LA 318	\$357,208
		44-27093; H.015949	LA 335 E JCT LA 694 - LA 14	\$135,530
		44-30072; H.016294	LA 10 LA 467 - Lookout	\$115,173
		44-30072; H.016295	LA 126 US 167- LA 34	\$161,310
		44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	\$200,000
		44-27735; H.005184	I-69 Frontage Road (Stonewall to Ellerbe Road)	\$485,000
		44-27735; H.014054	I-69 Frontage Road (Ellerbe Road to LA 1)	\$530,000
	CE&I/OV	44-23943; H.010960.6	LA 30 Roundabouts @ Tanger Mall & I-10 Construction Support	\$459
		44-23943; H.011909.6	U.S. 171 Roundabout at Boone Street Construction Support	\$64,789
		44-23943; H.011137, H.013866	I-12 Construction Support Contract 2	\$37,257
		44-23943; H.010960	LA 30 Construction Support 2	\$61,661

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**
Stanley Consultants, Inc.	Other (Project Management)	44-28432; H.015569.5	LA 44 I-10 Roundabouts	\$36,300
		44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	\$263,530
		44-27735; H.005184	I-69 Frontage Road (Stonewall to Ellerbe Road)	\$293,834
		44-27735; H.014054	I-69 Frontage Road (Ellerbe Road to LA 1)	\$285,857
	Other (Trial Services)	32184S-T001; H.011909	U.S. 171 - Trial Services	\$6,415
	Other (Real Estate)	32184S-T002; H.011909	U.S. 171 - Property Report	\$3,200
	Bridge	44-25029; H.015545	Stoney Point Burch over Drainage Bayou	\$14,892
		44-25029; H.015550	Pride-Baywood Over Mill Creek	\$14,892
		44-27735; H.005184	I-69 Frontage Road (Stonewall to Ellerbe Road)	\$123,138
		44-27735; H.014054	I-69 Frontage Road (Ellerbe Road to LA 1)	\$96,000
	Traffic	44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	\$184,114
		44-27735; H.005184	I-69 Frontage Road (Stonewall to Ellerbe Road)	\$147,000
		44-27735; H.014054	I-69 Frontage Road (Ellerbe Road to LA 1)	\$191,270
Vectura Consulting Services, LLC	Traffic	4400005484	New Orleans Rail Gateway Avondale EA	\$57,644
		H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	\$11,202
		4400021519	KCS RR Overpasses HBI	\$572
		4400023075	S. Lewis Street Widening	\$7,499
		4400025299	LA 47 Hayne Blvd Safety Improvements	\$9,437
		4400018271	LA 383 Stage 0 Corridor Study	\$20,146
		4400025299	Dist. 02H Flashing Yellow Arrow Part 2	\$83,260
	CE&I/OV	4400020018	EBR Computerized Traffic Signal, Ph VB	\$28,737
	ITS	4400016364	Houma Regional ITS Architecture Update	\$10,746

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**
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; TO2, 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	\$70,870
		44-21515; H.011991	Movable Bridge Rehabilitation - Daspit	\$35,757
		44-21515; H.014191	Movable Bridge Rehabilitation - Nelson	\$35,230



SECTION 20

Certifications/Licenses

20. Certifications/Licenses:

Dusty Bastion, PE

MPR #1, 2, 3



20. Certifications/Licenses:

Josh Porter, PE

MPR #4



20. Certifications/Licenses:

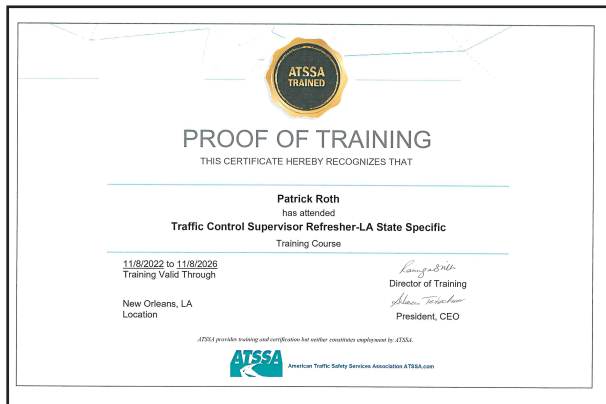
Douglas Wells, PhD

MPR #11



20. Certifications/Licenses:

Additional Certificate and Licenses - HNTB Corporation



20. Certifications/Licenses:

Additional Certificate and Licenses - HNTB Corporation



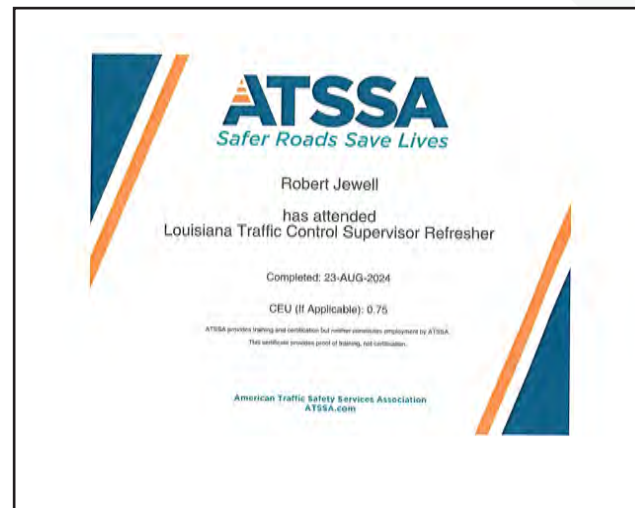
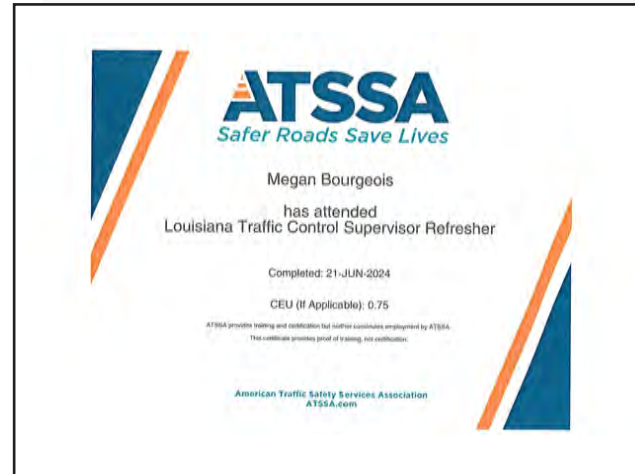
20. Certifications/Licenses:

Additional Certificate and Licenses - HNTB Corporation



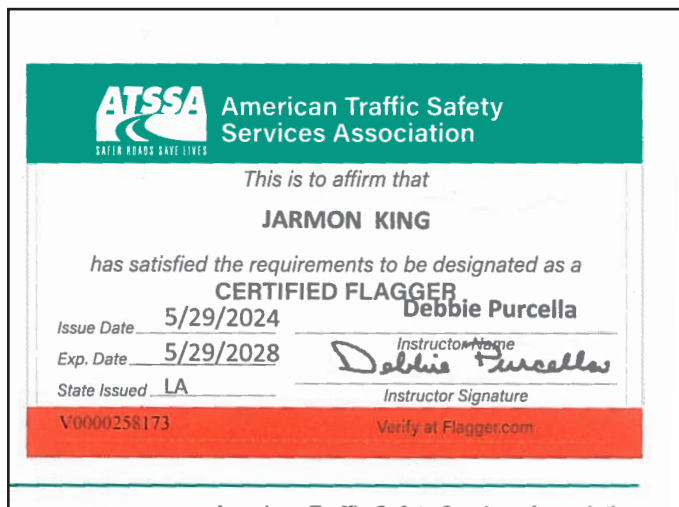
20. Certifications/Licenses:

Additional Certificate and Licenses - Ardaman & Associates, LLC



20. Certifications/Licenses:

Additional Certificate and Licenses - Ardaman & Associates, LLC



20. Certifications/Licenses:

Additional Certificate and Licenses - Ardaman & Associates, LLC



20. Certifications/Licenses:

Additional Certificate and Licenses - Ardaman & Associates, LLC



20. Certifications/Licenses:

Additional Certificate and Licenses - Forte & Tablada, Inc.

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
4399 Quarter Avenue, South 175
Baton Rouge, Louisiana 70802

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

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

David E. Spivey
Mead & Hunt Instructor
Amy Spivey

Robert C. Young
Mead & Hunt Instructor
Daniel Berry, PE, SE

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

Joffrey Easley

has participated in

FHWA - NHI Course No. 130078
Fracture Critical Inspection Techniques for Steel Bridges (3.5 Days)

hosted by
LA DOTD/LTRC

Date: August 11-14, 2015
Location: Baton Rouge, LA

Hours of Instruction: 25

William H. Landrey
Local Coordinator

Valerie Briggs
Valerie Briggs, Director
National Highway Institute

Shirley J. Smith
Instructor

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

James M. Clark
Vice President of Education and Technical Services

John J. Smith
President, CEO

ATSSA provides training and certification for traffic control personnel employed by ATSSA.

ATSSA
American Traffic Safety Services Association & TSM, Inc.

ATSSA
American Traffic Safety Services Association

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

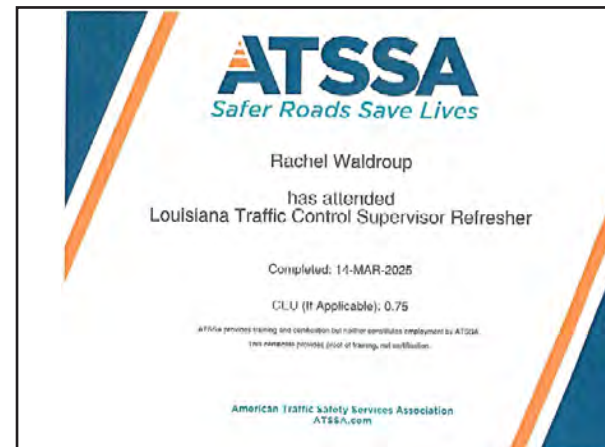
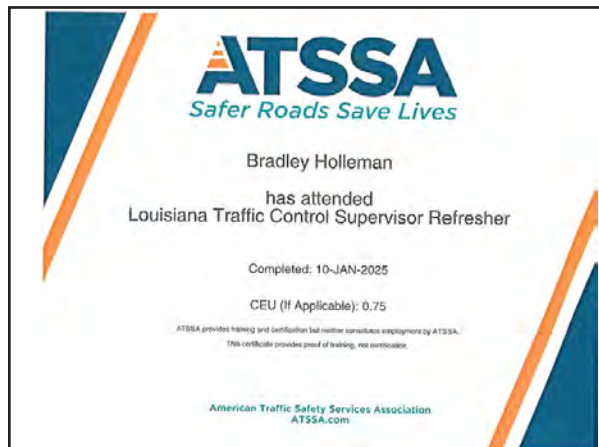
ATSSA
Instructor Name: *John J. Smith*
Instructor Signature: *John J. Smith*

Verify at Flagger.com

A1000125103

20. Certifications/Licenses:

Additional Certificate and Licenses - Forte & Tablada, Inc.



20. Certifications/Licenses:

Additional Certificate and Licenses - Forte & Tablada, Inc.



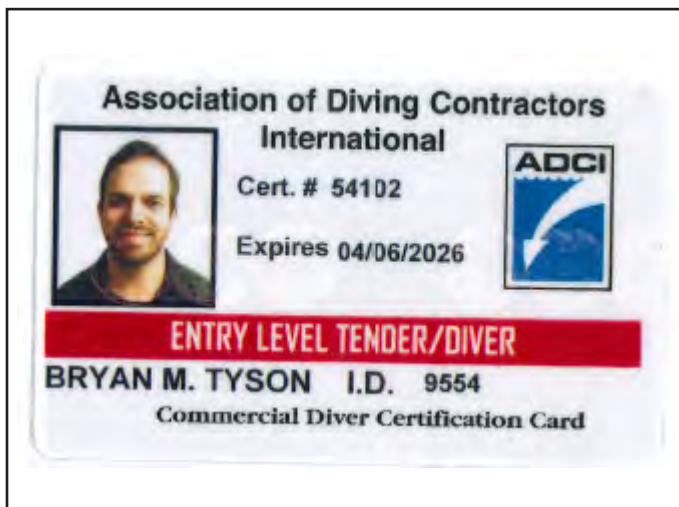
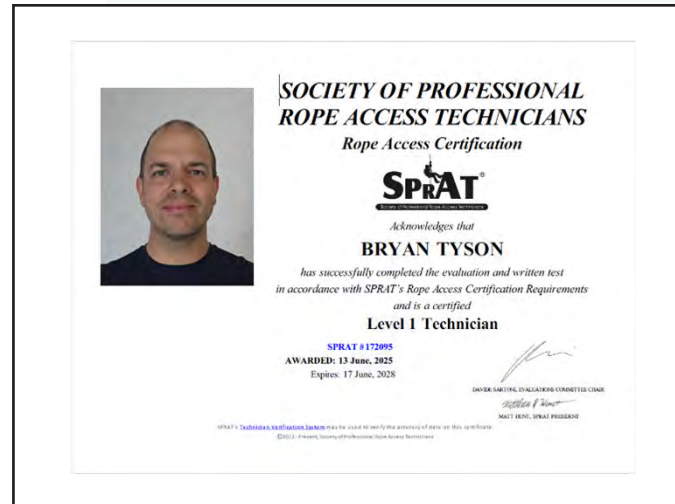
20. Certifications/Licenses:

Additional Certificate and Licenses - Moffatt & Nichol, Inc.



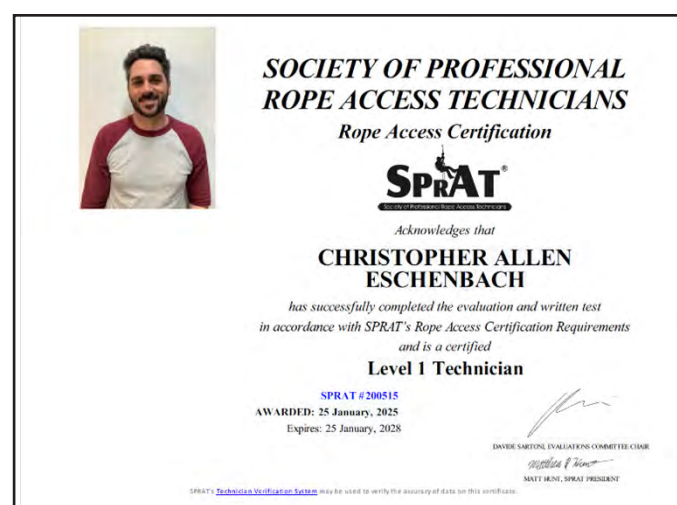
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Additional Certificate and Licenses - Moffatt & Nichol, Inc.



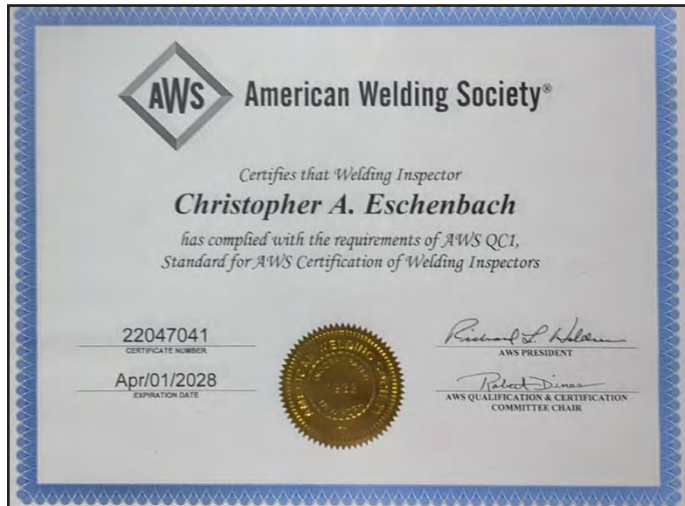
20. Certifications/Licenses:

Additional Certificate and Licenses - Moffatt & Nichol, Inc.



20. Certifications/Licenses:

Additional Certificate and Licenses - Moffatt & Nichol, Inc.



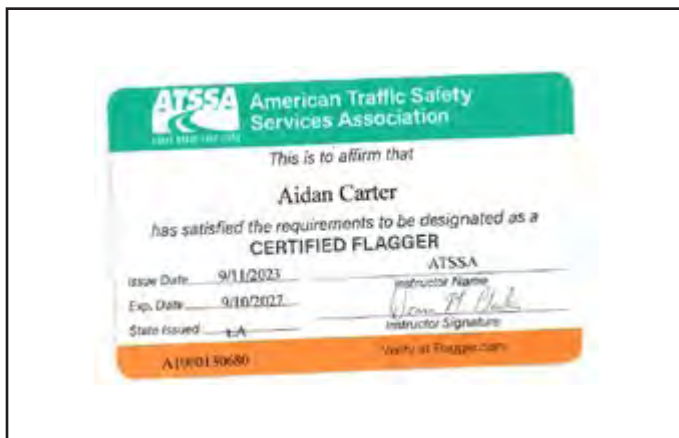
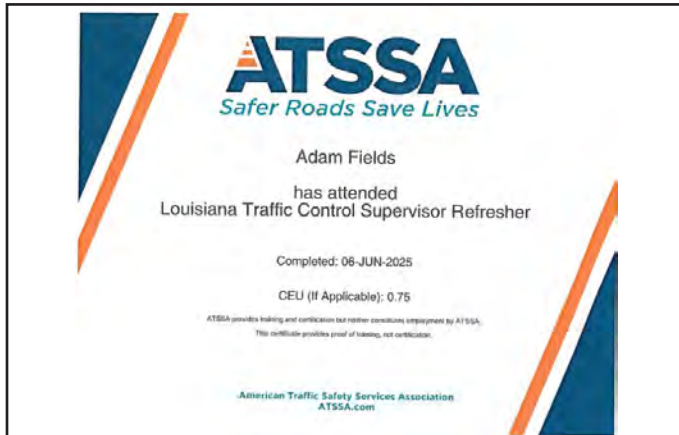
20. Certifications/Licenses:

Additional Certificate and Licenses - Moffatt & Nichol, Inc.



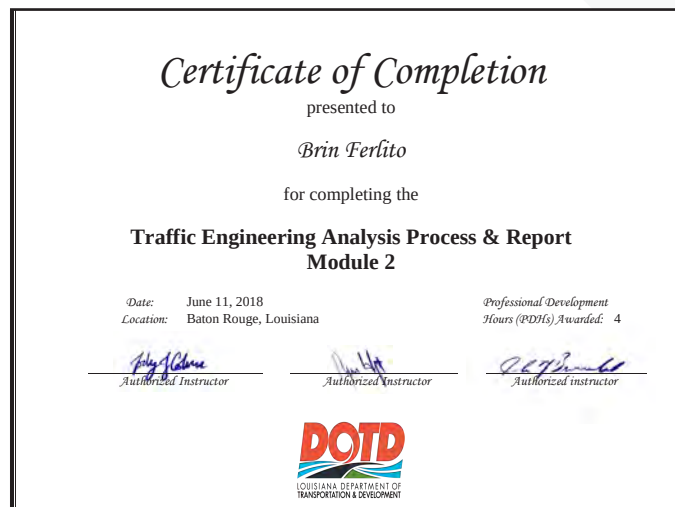
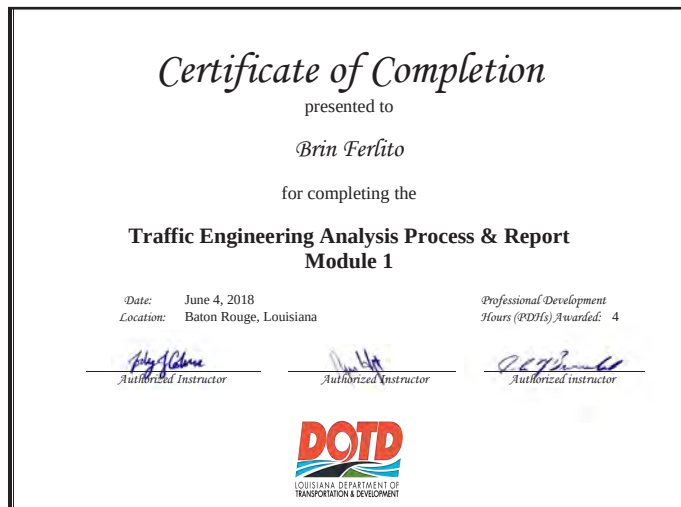
20. Certifications/Licenses:

Additional Certificate and Licenses - Stanley Consultants, Inc.



20. Certifications/Licenses:

Additional Certificate and Licenses - Stanley Consultants, Inc.



20. Certifications/Licenses:

Additional Certificate and Licenses - Vectura Consulting Services, LLC

Certificate of Completion
presented to
Brin Ferlito
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

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

Professional Development
Hours (PDHs) Awarded: 3


Authorized Instructor


Authorized Instructor


Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

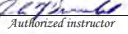
Certificate of Completion
presented to
Laurence Lambert
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**

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

Professional Development
Hours (PDHs) Awarded: 2


Authorized Instructor


Authorized Instructor


Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

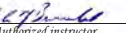
Certificate of Completion
presented to
Laurence Lambert
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**

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

Professional Development
Hours (PDHs) Awarded: 3


Authorized Instructor


Authorized Instructor


Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

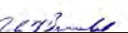
Certificate of Completion
presented to
Laurence Lambert
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3


Authorized Instructor

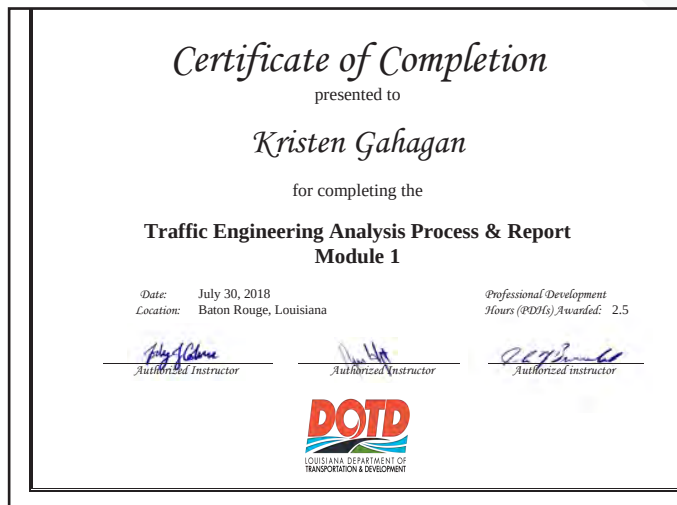
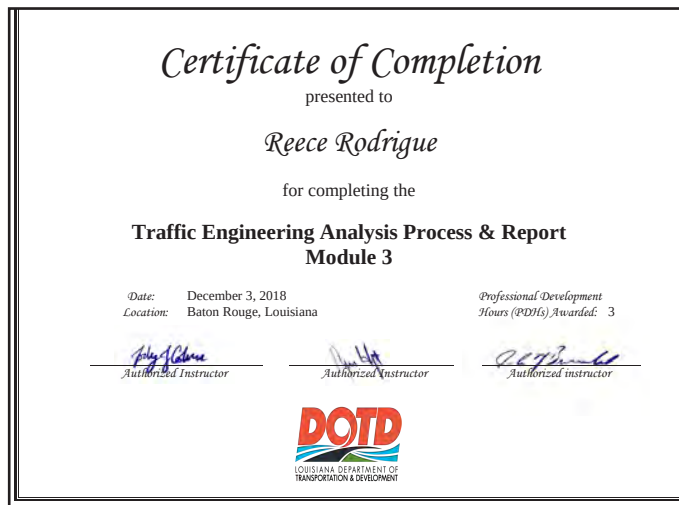
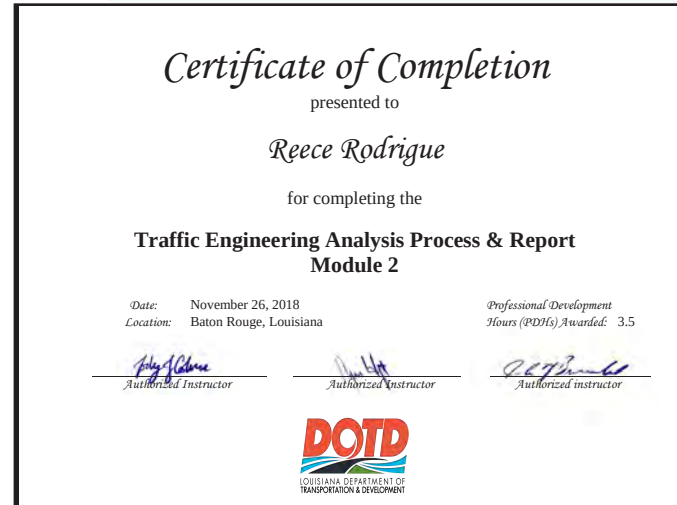
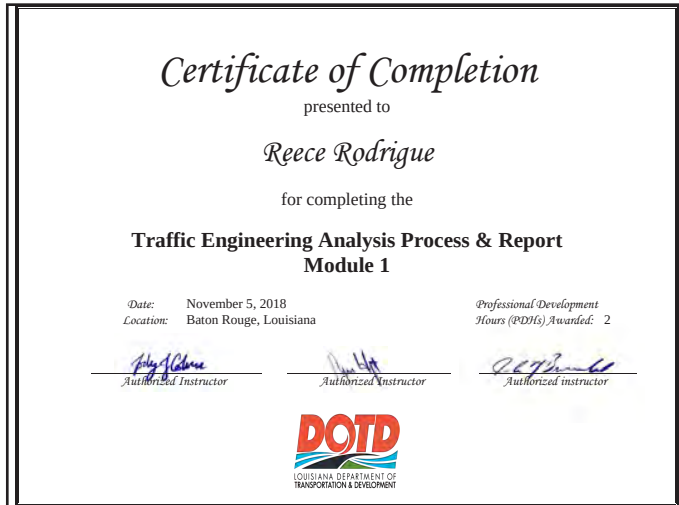

Authorized Instructor


Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

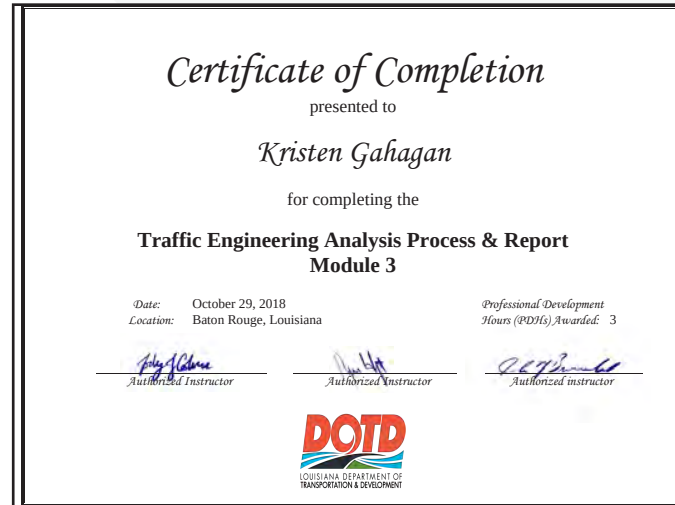
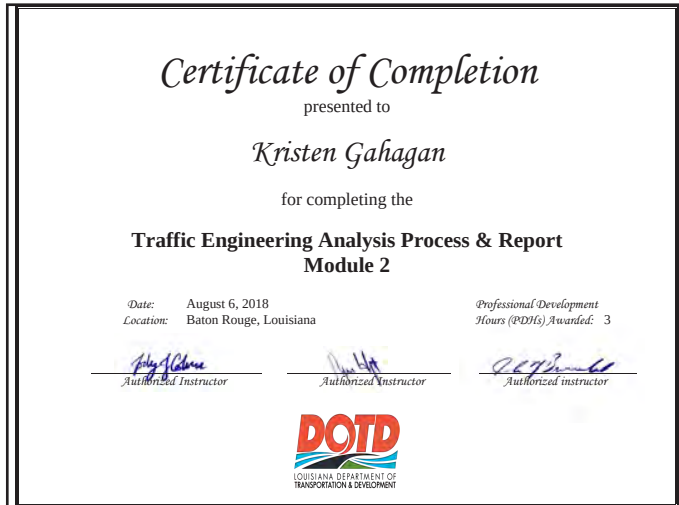
20. Certifications/Licenses:

Additional Certificate and Licenses - Vectura Consulting Services, LLC



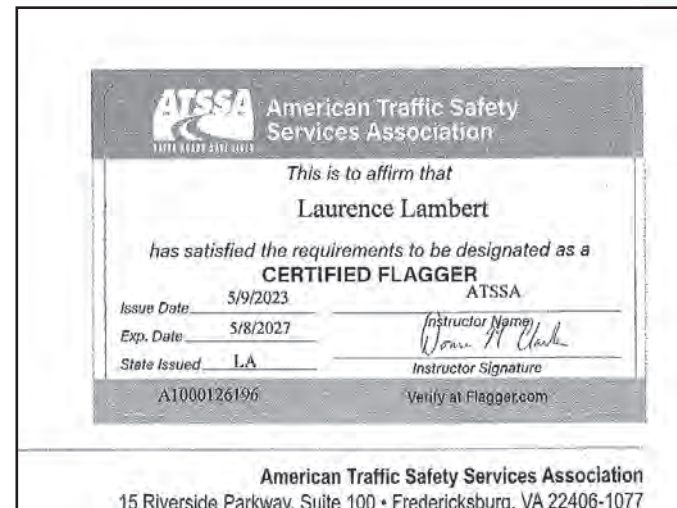
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Additional Certificate and Licenses - Vectura Consulting Services, LLC



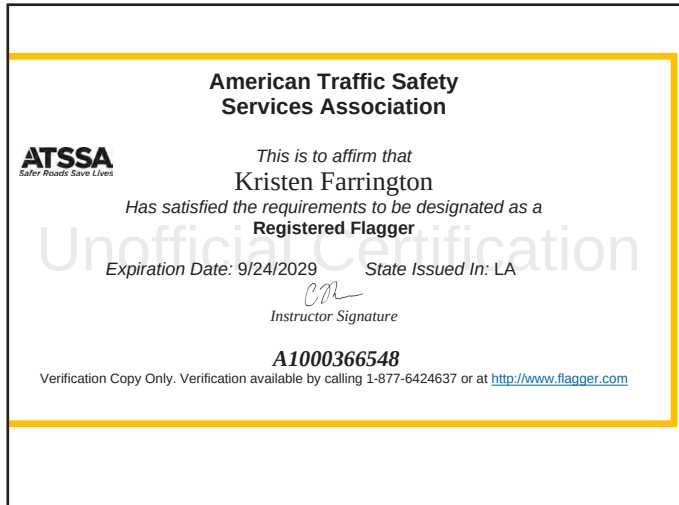
20. Certifications/Licenses:

Additional Certificate and Licenses - Vectura Consulting Services, LLC



20. Certifications/Licenses:

Additional Certificate and Licenses - Vectura Consulting Services, LLC



20. Certifications/Licenses:

Additional Certificate and Licenses - Wiss, Janney, Elstner Associates, Inc.



20. Certifications/Licenses:

Additional Certificate and Licenses - Wiss, Janney, Elstner Associates, Inc.



20. Certifications/Licenses:

		<u>Fax Numbers</u> 225.932.5317 (Admin. Services) 225.932.5314 (Corporations) 225.932.5318 (UCC)	
Name	Type	City	Status
HNTB CORPORATION	Business Corporation (Non-Louisiana)	DOVER	Active
Previous Names			
Business:	HNTB CORPORATION		
Charter Number:	34422713F		
Registration Date:	12/23/1992		
Domicile Address			
615 S DUPONT HWY			
DOVER, DE 19901			
Mailing Address			
P.O. BOX 412197			
KANSAS CITY, MO 64141			
Principal Business Office			
715 KIRK DRIVE			
KANSAS CITY, MO 64105			
Registered Office in Louisiana			
4459B BLUEBONNET BLVD.			
BATON ROUGE, LA 70809			
Principal Business Establishment in Louisiana			
450 LAUREL STREET, SUITE 1200			
BATON ROUGE, LA 70801			

20. Certifications/Licenses:

State of Louisiana
Secretary of State

COMMERCIAL DIVISION
225.925.4704

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



Name	Type	City	Status
ARDAMAN & ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	ORLANDO	Active

Previous Names

Business: ARDAMAN & ASSOCIATES, INC.
Charter Number: 34396031F
Registration Date: 12/13/1991
Domicile Address:
 8008 SOUTH ORANGE AVENUE
 ORLANDO, FL 32809
Mailing Address:
 3475 E. FOOTHILL BLVD.
 PASADENA, CA 91107
Principal Business Office:
 8008 SOUTH ORANGE AVENUE
 ORLANDO, FL 32809
Registered Office in Louisiana:
 3867 PLAZA TOWER DR.
 BATON ROUGE, LA 70816
Principal Business Establishment in Louisiana:
 318 HIGHLANDIA DR.
 BATON ROUGE, LA 70816

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225.932.5314 (Corporations)
225.932.5318 (UCC)



Name	Type	City	Status
COASTAL ENVIRONMENTS, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

Business: COASTAL ENVIRONMENTS, INC.
Charter Number: 27701120D
Registration Date: 1/6/1967
Domicile Address:
 1260 MAIN STREET
 BATON ROUGE, LA 70802
Mailing Address:
 1260 MAIN STREET
 BATON ROUGE, LA 70802
Principal Office Address:
 1260 MAIN STREET
 BATON ROUGE, LA 70802

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Name	Type	City	Status
ELOS ENVIRONMENTAL, LLC	Limited Liability Company (Non-Louisiana)	WILMINGTON	Active

Previous Names

Business: ELOS ENVIRONMENTAL, LLC
Charter Number: 45643772Q
Registration Date: 10/19/2023
Domicile Address:
 1209 ORANGE ST
 WILMINGTON, DE 19801
Mailing Address:
 607 W MORRIS AVE
 HAMMOND, LA 70403
Principal Business Office:
 607 W MORRIS AVE
 HAMMOND, LA 70403
Registered Office in Louisiana:
 3867 PLAZA TOWER DR.
 BATON ROUGE, LA 70816
Principal Business Establishment in Louisiana:
 607 W MORRIS AVE
 HAMMOND, LA 70403

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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

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Name	Type	City	Status
GULF SOUTH LAND TITLE RESOURCES, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: GULF SOUTH LAND TITLE RESOURCES, LLC
Charter Number: 35324911K
Registration Date: 8/20/2002
Domicile Address:
 341 ST. JOSEPH STREET
 BATON ROUGE, LA 70802
Mailing Address:
 C/O DREW C GAUDET
 341 ST. JOSEPH STREET
 BATON ROUGE, LA 70802

20. Certifications/Licenses:

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Name	Type	City	Status
KGC ENVIRONMENTAL SERVICES, INC.	Business Corporation	MADISONVILLE	Active

Previous Names

Business: KGC ENVIRONMENTAL SERVICES, INC.
Charter Number: 34605314D
Registration Date: 1/12/1998
Domicile Address
 344 BLACK RIVER DR
 MADISONVILLE, LA 70447
Mailing Address
 C/O KEVIN GUTH
 344 BLACK RIVER DR
 MADISONVILLE, LA 70447
Principal Office Address
 344 BLACK RIVER DR
 MADISONVILLE, LA 70447

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Fax Numbers
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225.932.5314 (Corporations)
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Name	Type	City	Status
MOFFATT & NICHOL, INC.	Business Corporation (Non-Louisiana)	LONG BEACH	Active

Previous Names

Business: MOFFATT & NICHOL, INC. (Changed: 11/32/2003)
Charter Number: 34527896F
Registration Date: 5/23/1996
Domicile Address
 4225 E. CONANT STREET, SUITE 101
 LONG BEACH, CA 90808
Mailing Address
 4225 E. CONANT STREET, SUITE 101
 LONG BEACH, CA 90808
Principal Business Office
 4225 E. CONANT STREET, SUITE 101
 LONG BEACH, CA 90808
Registered Office in Louisiana
 2867 PLAZA TOWER DR.
 BATON ROUGE, LA 70816
Principal Business Establishment in Louisiana
 301 MAIN STREET
 SUITE 800
 BATON ROUGE, LA 70801

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225.932.5318 (UCC)



Name	Type	City	Status
STANLEY CONSULTANTS, INC.	Business Corporation (Non-Louisiana)	MUSCATINE	Active

Previous Names

Business: STANLEY CONSULTANTS, INC.
Charter Number: 34562879F
Registration Date: 8/12/1997
Domicile Address
 225 IOWA AVE.
 MUSCATINE, IA 52761
Mailing Address
 225 IOWA AVE.
 MUSCATINE, IA 52761
Principal Business Office
 225 IOWA AVE.
 MUSCATINE, IA 52761
Registered Office in Louisiana
 450 LAUREL STREET, 8TH FLOOR
 BATON ROUGE, LA 70801
Principal Business Establishment in Louisiana
 700 MAIN STREET
 SUITE 405
 BATON ROUGE, LA 70802

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225.932.5318 (UCC)



Name	Type	City	Status
VECTURA CONSULTING SERVICES, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: VECTURA CONSULTING SERVICES, LLC
Charter Number: 41994609K
Registration Date: 8/24/2015
Domicile Address
 4467 BLUEBONNET BLVD.
 SUITE A
 BATON ROUGE, LA 708099639
Mailing Address
 PO BOX 14269
 BATON ROUGE, LA 70809

State of Louisiana
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COMMERCIAL DIVISION
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Fax Numbers
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225.932.5318 (UCC)



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

Previous Names

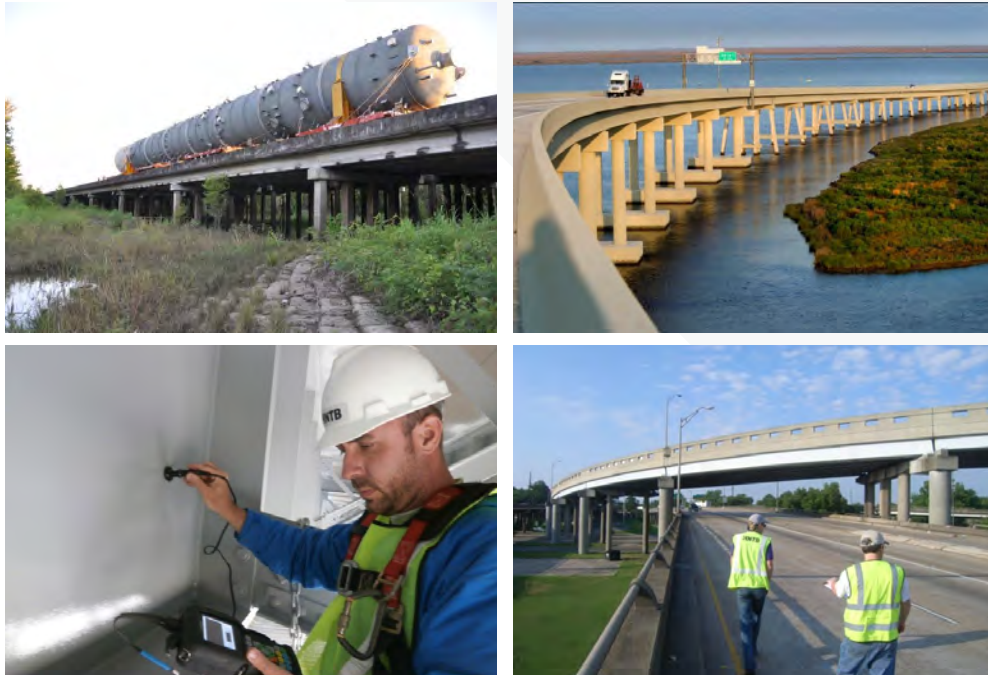
Business: WISS, JANNEY, ELSTNER ASSOCIATES, INC.
Charter Number: 34520200F
Registration Date: 3/4/1996
Domicile Address
 330 PINGSTEN RD.
 NORTHBROOK, IL 60062
Mailing Address
 330 PINGSTEN RD.
 NORTHBROOK, IL 60062
Principal Business Office
 330 PINGSTEN RD.
 NORTHBROOK, IL 60062
Registered Office in Louisiana
 8550 UNITED PLAZA BLVD., SUITE 702
 BATON ROUGE, LA 70809
Principal Business Establishment in Louisiana
 5615 CORPORATE BLVD., STE. 400B
 BATON ROUGE, LA 70809



SECTION 21

QA/QC Plan

21. QA/QC Plan:



Contract Nos. 4400033117, 4400033118, AND 4400033119

SAMPLE BRIDGE PROJECT QA/QC MANAGEMENT PLAN



BRIDGE PROJECT QUALITY MANAGEMENT PLAN

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1.0 INTRODUCTION

1.1 PROJECT INTRODUCTION

This document was developed to provide quality control (QC)/quality assurance (QA) procedures for multiple IDIQ contracts for bridge preservation advertised by the LADOTD. The intent of this HNTB QMP is to supplement Part I, Chapter 3 of the LADOTD Bridge Design and Evaluation Manual.

1.2 QUALITY INTRODUCTION

The HNTB doctrine states - sustainability, profitable growth, best business practices and “4 for 4”. HNTB’s “4 for 4” is our performance standard for each and every project as stated below:



- ☒ Quality Work
- ☒ On Time
- ☒ On Budget
- ☒ To the Client's Satisfaction on Every Project

Quality is a key component of this doctrine and is expected in everything we do. HNTB has defined the standard of quality that is to be achieved in our Manual of Professional Practice (MPP) and has established general guidelines for achieving this goal and documenting the results.

The HNTB team is aware that QC and QA is our responsibility, not the responsibility of the LADOTD. We are committed to providing high-quality, accurate work on all deliverables associated with this contract.

The **Bridge QMP** establishes planned and systematic processes necessary to provide adequate confidence that this project will conform to the established quality requirements. It consists of two key components, QC and QA.

This QMP provides an understanding of basic quality processes set forth for the project and the procedures established for implementing those processes. The general procedures outlined herein are recommended for use on all tasks including the management of our subconsultant's work products. These procedures are intended to serve as guidelines and are not intended to be a replacement for sound professional judgment.

The following QMP was developed in accordance with HNTB Gulf Coast District QMP and Part I, Chapter 3 of the LADOTD Bridge Design Manual “Policy for quality control and quality assurance (QC/QA)”.

1.3 DEFINITION OF TERMS AND POSITIONS

QC: Procedure for checking the accuracy and consistency of the calculations and the drawings, detection and correcting design omissions and errors before the design plans are finalized, and verifying the specification for the load-carrying members are adequate for the service and operation loads.

QA: Procedure for reviewing the work to ensure the QC procedures are in place and effective in preventing mistakes, and consistency in the development of the bridge design plans and specifications.

Designer: Engineer directly responsible for the development of design calculations, drawings, special provisions and cost estimates. Must be either a licensed professional engineer or engineer intern.

Checker: Engineer responsible for performing a full technical review of the design calculations, special provisions, drawings, and cost estimates. Must be either a licensed professional engineer or engineer intern, however, if the designer is a engineer intern the design checker must be a professional engineer.

Design Back-Checker: Typically the designer. If designer is unavailable, the design back-checker must coordinate with the checker to ensure all noted changes are agreed to. Must be either a licensed professional engineer or engineer intern, however, if the checker is an engineer intern, the design back-checker must be a professional engineer.

Detail Back-Checker: Engineer responsible for performing a full review of the drawings. Must be either a licensed professional engineer or engineer intern, however, if the checker is an engineer intern, the detail back-checker must be a professional engineer.

Updater: Individual responsible for updating the design calculations or plans to reflect all agreed upon changes. (For design calculations, typically the designer; for plans, typically the detailer.)

Verifier: Individual (usually the checker) responsible for verifying that all changes or additions to a drawing, calculation, report or graphic element have been accurately incorporated.

Reviewer: Engineer responsible for ensuring that the QC process has been followed as outlined.

Detailer: Individual responsible for preparing drawings.

Supervisor or Team Leader: Project manager or task assignee responsible for overseeing the project and staff on the project.

Engineer of Record (EOR): The engineer responsible for supervision and/or preparation of plans, sealing calculations, plans, and special provisions if required.

Quality Project Manager (QPM)/Quality Task Manager (QTM): Individual responsible for conducting audits and ensuring QC plans are adhered to. The QPM is responsible for the entire project and all aspects and the QTM are responsible for each discipline.

Independent Technical Reviewer: Engineer who completes an independent review of the drawings and/or calculations. Independent technical reviewer is part of the consultant team but is not part of the design team. Engineer must have experience reviewing tasks that meet or exceed those of the designer and or checker.

Peer Review: Independent engineering entity, with no prior involvement in the project, performs a check of the designs by producing an independent set of calculations based on the drawings or performs the review as specified in the scope of work. Peer reviewer may not be employed by the same consultant with whom the designer or design checker is employed. Peer reviews are typically performed between 60% to 98% final plans stage depending on the scope of the review. It is not within the scope of services for this project.

Audit: A systematic, independent and documented activity performed to verify that applicable elements of the QMP have been effectively implemented and documented in accordance with the specific requirements.

Constructability Review: A design review performed by the contractor or appropriate construction services personnel to assess the feasibility of the proposed design from a construction perspective.

Design Criteria: A set of project-specific parameters that define the design requirements, specifications and functional classifications of the project.

Inter-Discipline Review: A discipline specific design review of a design package by all applicable design disciplines.

Quality Records: A completed document or record keeping evidence of successful implementation of any given aspect of the QMP.

1.4 SUBCONSULTANTS

Any work performed by a subconsultant to HNTB shall be held to the same quality standards as described herein for HNTB produced work. The subconsultant will be responsible for following the Movable Bridge QMP. As part of the HNTB team project kick-off, all team members will participate in a quality training session to ensure all parties understand QC/QA requirements and expectations. At a minimum, additional quality training sessions will be held yearly to reinforce quality processes and introduce processes to any new team members.

1.5 FILE MANAGEMENT

Projectwise will be used to manage electronic files between HNTB, Ardaman & Associates, Coastal Environments, ELOS Environmental, Forte & Tablada, Gulf South Land Title Services, KGC Environmental Services, Moffatt & Nichol, Stanley Consultants, Vectura Consulting Services, Wiss, Janney, Elstner Associates, and LADOTD. Separate folder structures will be created for each structure. ProjectWise will be used to transfer data between LADOTD and HNTB. CADD drawings will be created and modified on local servers. Once complete, all team members will upload PDF CADD files to Projectwise to initiate quality reviews. HNTB will upload final CADD and PDF files will be uploaded to ProjectWise.

1.6 CADD

All drawings will be developed in Microstation V8i and be CADD conformed to LADOTD standards.

1.7 RESPONSIBILITIES OF THE LADOTD BRIDGE TASK MANAGER

LADOTD bridge task manager will not be responsible for QC/QA of HNTB or our subconsultant's work. The LADOTD bridge task manager will be responsible for items listed in Section 3.3.2 of Part I, Chapter 3 of the Bridge Design Manual. Some, but not all, items are listed below:

- » Develop scope.
- » Approve design criteria submitted by HNTB.
- » Review and approve bridge type, size and location (TS&L) and ensure design criteria is updated as project progresses.
- » Review consultant submittals. Selectively check dimension and details as a cursory review of the plans for constructability, consistency, and clarity but not as QC/QA of HNTB work.
- » Monitor project schedule - HNTB is ultimately responsible for maintaining schedule or communicating concerns with LADOTD PM.
- » Monitor budget - HNTB is ultimately responsible for maintaining budget or communicating concerns with LADOTD PM.



HANS HUTTON, PE, SE, will serve as one of the QC/QA managers for this contract. He is a vice president, HNTB Fellow and chief engineer. His thorough understanding of both fixed and movable bridges as well as roadway, railway and pedestrian bridges qualifies him to serve as a QC/QA manager for this contract. Han's knowledge and leadership will ensure all assignments are completed with the utmost level of quality.



STEVEN HAGUE, PE, SE, will serve as one of the QC/QA managers for this contract. His thorough understanding of site-specific seismology, and geotechnical soil and rock remediation, as well as his ability to review and coordinate a wide variety of disciplines to ensure that all the necessary pieces of a complex design come together successfully allow him to provide the greatest level of quality for this contract.

HNTB will use the QC/QA manager whose skill set best matches the current assignment. This will ensure that all current industry standards, technology, and best practices are being used. HNTB will also assign a local office Quality Project Manager (QPM) to ensure the quality process is followed on all deliverables.

2.0 QUALITY CONTROL PROCESS

QC is defined as the procedures and processes established to meet the project requirements for quality as stated in the QMP and the accepted standard of care. It is our basic checking procedures for ensuring accuracy and completeness. The following are the standard checking formats for hard copy documents (such as hand calculations, program input files and plans) and electronic documents (such as word documents) that should be implemented for all QC processes:

Design Calculations and LADOTD Approved Design Programs

QC starts first with the designer. The designer is responsible for reviewing all calculations prior to being checked.

A copy of the original document is made for documentation of all review activities. For checking of design programs, a printout of the input and output should be provided to the checker, however, the checker is only responsible for checking the input and reviewing the output to verify the input.

Review of the document for correctness and completeness is performed by the **checker**.

- Changes are **marked in red**.
- Correct items are **highlighted in yellow**.
- Correct full paragraphs (or pages) are marked with a **yellow diagonal**.
- Input files are 100% checked. Controlling values of output files will be verified as an additional check.
- When the checker is complete, all text will be either **highlighted in yellow** or **marked in red**. By doing so, the QPM can easily verify if the entire document has been checked.

A back-check of all comments/proposed changes is performed by the design **back-checker** (usually the **originator**).

- Agreement is shown with a **green check mark**
- Disagreement is discussed with **checker** and noted with a **green STET** (no change required) upon concurrence with original value.

All agreed upon changes are made to the original document by the **updater**.

- Items are **circled in blue** to show that the change has been made.

All updates to the document are verified for completeness and correctness by the **verifier** (usually the **checker**).

- **Blue circles** are **highlighted in yellow** to show that updates were made.

Once complete, there should be two copies of the design calculations. One yellow highlighted copy with changes noted in red, agreement in green, blue circle to note the change is made and yellow over the blue indicating the change has been verified. The second copy is the corrected copy and should have the checker and back-checker initials. The corrected copy will be included as part of the design calculation book submitted to LADOTD. Both files shall be uploaded to the Team ProjectWise folder.

Electronic Documents (Word, PDFs, etc.) (Not Design Programs)

A review of the document for correctness and completeness is performed by the **checker**.

- Changes are shown in an inserted comment box or using track changes in a Word Document.
- Correct items are **highlighted with yellow**.
- Correct full paragraphs (or pages) are **highlighted in yellow**.
- Checker will save a version of the checked file once checking is complete.

A back-check of all comments/proposed changes is performed by the **back-checker** (usually the **originator**).

- Agreement is shown by typing "concur" and initialing in comment box or accepting changes (Word Document).
- Disagreement is discussed with **checker** and noted with a STET in comment box with initials of both parties or by rejecting changes (Word Document) upon concurrence with original value.
- Back-checker will save a version of the file once back-checking is complete.

All agreed upon changes are made to the original document by the **originator** (or **updater** if track changes was not used). A version will be saved once updating is complete.

All updates to the original document are verified for completeness and correctness by the **verifier** (usually the **checker**). The final, clean version will be saved once verification is complete. Associated files shall be uploaded to the Team ProjectWise folder.

Plans (All Submittals to LADOTD)

A set of plans is printed to PDF and each sheet stamped with a PDF checking print stamp (see Appendix).

Review of the plans for correctness and completeness is performed by the checker. The preference is this checking process occur within Bluebeam, but printing paper copies and hand marking is acceptable.

- Changes are **marked in red**.
- Correct items are **highlighted in yellow**.
- If **checker** has significant comments and changes, plans shall be updated accordingly and checking process restarted.
- **Checker** must be a professional engineer or engineer intern and cannot be the **designer** of the plans.

The **detail back-checker** (usually the **designer**) will perform a back-check of all comments/proposed changes. **Back-checker** is responsible for reviewing all items on the drawing including items marked by **checker**.

- Agreement is shown with a **green check mark ✓**.
- Disagreement is discussed with **checker** and noted with a **green STET** upon concurrence with original value.

All agreed upon changes are made to the original document by the **updater**.

- Items are **circled in blue** to show that the change has been made.

All updates to the document are verified for completeness and correctness by the **verifier** (usually the **checker**).

- **Blue circles** are **highlighted in yellow** to show that updates were made.

Once complete, there should be two copies of the plans. One yellow highlighted copy with changes noted in red, agreement in green, blue circle to note the change is made and yellow over the blue indicating the change has been verified. The second copy is the clean, corrected copy and will be the official deliverable document. Both files shall be uploaded to the Team ProjectWise folder.

A basic checking procedure is displayed below:



2.1 LEVELS OF REVIEW

There are two levels of review that are utilized within the QC process, as defined below. A given project task could receive a Level 1 or a Level 2 review, or both as deemed appropriate by the supervisor or team leader.

Level 1 - 100% checking of a produced document to include drawings, calculations, spreadsheets, special provisions, tables within reports, program input, graphic elements for reports or presentations, design programs, CADD modeling input.

Level 1 - 100% Document Check

- Check everything on a sheet.
- Use the appropriate standard checking format.
- Document checking procedures on an attached check print sign off sheet or by check print stamp (see Appendix for examples).
- Copy and upload original checked documents as color PDF files to the project QC directory, to await audit.

Level 1 - 100% Input Check

- Checking is only for input data.
- Use the appropriate standard checking format
- Verify that the software or spreadsheet used is appropriate.
- LADOTD pre-approved software does not require validation.
- Verify any previously prepared MathCad and Excel spreadsheets.
- Document checking procedures on an attached check print sign off sheet (see Appendix).
- Copy and upload original checked documents as color pdf files to the project "QC" directory, to await audit.

Level 2 - Peer or senior technical review of documents to include drawings, calculations, report text, CADD documents, shop drawings and RFIs, presentation materials and QA checklists; inter-disciplinary, constructability and independent technical reviews; review and oversight of subconsultant submittals.

- Check or validate only specific items as determined by the supervisor or team leader
- Use the appropriate standard checking format.
- Document checking procedures on an attached check print sign off sheet or by check print stamp (see Appendix for examples).
- Copy and upload original checked documents as color PDF files to the project QC directory, to await audit.

3.0 QUALITY ASSURANCE PROCESS

QA is defined as the systematic activities implemented to provide confidence that the QC processes are followed in compliance with the QMP. These are our audit processes for verifying that the appropriate checking procedures have been performed and documented, and our corrective action plans for addressing problems have been identified within the processes. The keys to an effective quality program lie in the accountability, compliance and continual improvement of the program.

Once the QC processes have been performed, a QA process must be implemented to confirm that the QC procedures were performed to the expectations documented in the QMP. The following procedures should be part of the assurance/validation process.

3.1 Audits

Each consultant shall be responsible for uploading their quality checked files onto ProjectWise for QA and notifying the QPM. The QPM will audit the QC records prior to each submission to confirm that all QC procedures have been performed for each task of the deliverable, and record the findings on associated form (see Appendix). Upon approval of the quality documents, the QPM will move each approved document into the project quality records folder and will inform the supervisor or team leader that the submittal is ready for release to the client. The office leader will also receive a hard copy of that verification.

Additionally, the HNTB office quality manager may choose this project for review at an executive level. An audit may be performed similar to the routine project audit, but will also include interviews with staff to determine if the quality management process is clearly understood and is being performed unbiased and independent of the design or production process.

The purpose of the audit is two-fold:

- Identify and correct a breakdown in quality or any instance of noncompliance to established HNTB best practice procedures through a defined corrective action plan.
- Identify opportunities for implementation of preventive action, training and continual improvement processes to enhance quality, efficiency and value to our projects and clients.

All audit findings should be documented as a part of the quality records.

3.2 Corrective Action and Preventive Action Plans

A corrective action plan (CAP) is a strategy for correcting or eliminating a problem impacting project quality or performance that has already occurred or been identified. The focus of the plan is to systematically review the root cause of the problem in an attempt to prevent the problem from recurring. The primary concepts of the plan are as follows:

- Task leads identify the problem and present to PM or QPM
- Determine the cause of the problem or unintended result
- Identify action items or plan to correct to the problem

Preventive actions are implemented in response to the identification of a trend that would potentially impact quality and lead to a project issue or problem. Preventive action is considered as a proactive undertaking. For example, if we anticipate a potential problem and take action to eliminate the causes and prevent the occurrence of that problem, this is considered to be preventive action.

If a problem or breakdown in quality is discovered during an audit, the PM will be notified immediately. The PM and QPM will perform a root cause analysis to determine the extent of the problem and develop a CAP for implementation. A follow-up meeting will be conducted with all responsible individuals to convey the CAP expectations. If a resolution cannot be reached, the office leader will become involved in the process.

4.0 QUALITY MANAGEMENT IMPLEMENTATION

For a quality program to be effective, it must be planned and implemented as part of the project work plan, and budgeted accordingly. A QMP log - Form 1.0 (see Appendix) should be filled out by the PM for every project, incorporated into the Project Work Plan and forwarded to the QPM for execution.

Proper documentation of the process throughout is also key to successfully managing quality. The following file structure should be set up within the project directory for each project:

\Job_Folder\QMP\Deliverable Name\QC (local server)

\Job_Folder\QMP\Deliverable Name\QA (ProjectWise)

\Job_Folder\QMP\Deliverable Name\Quality Records (ProjectWise)

\Job_Folder\QMP\Deliverable Name\Client Deliverable (ProjectWise)

The **QMP** folder will contain the QMP log (Form 1.0) and all project specific quality requirements, checklists, etc.

The **QC** sub-folder will receive each task item or deliverable that has been produced and is ready for review. Each deliverable will be accompanied by either Form 2.0 or Form 3.0, as determined by the PM or task leader. All assigned checkers will go here to get their assigned documents.

The **QA** sub-folder will receive each completed item or deliverable from the QC folder along with a completed Form 2.0 or Form 3.0. The PQM will go here to find all documents ready for QA.

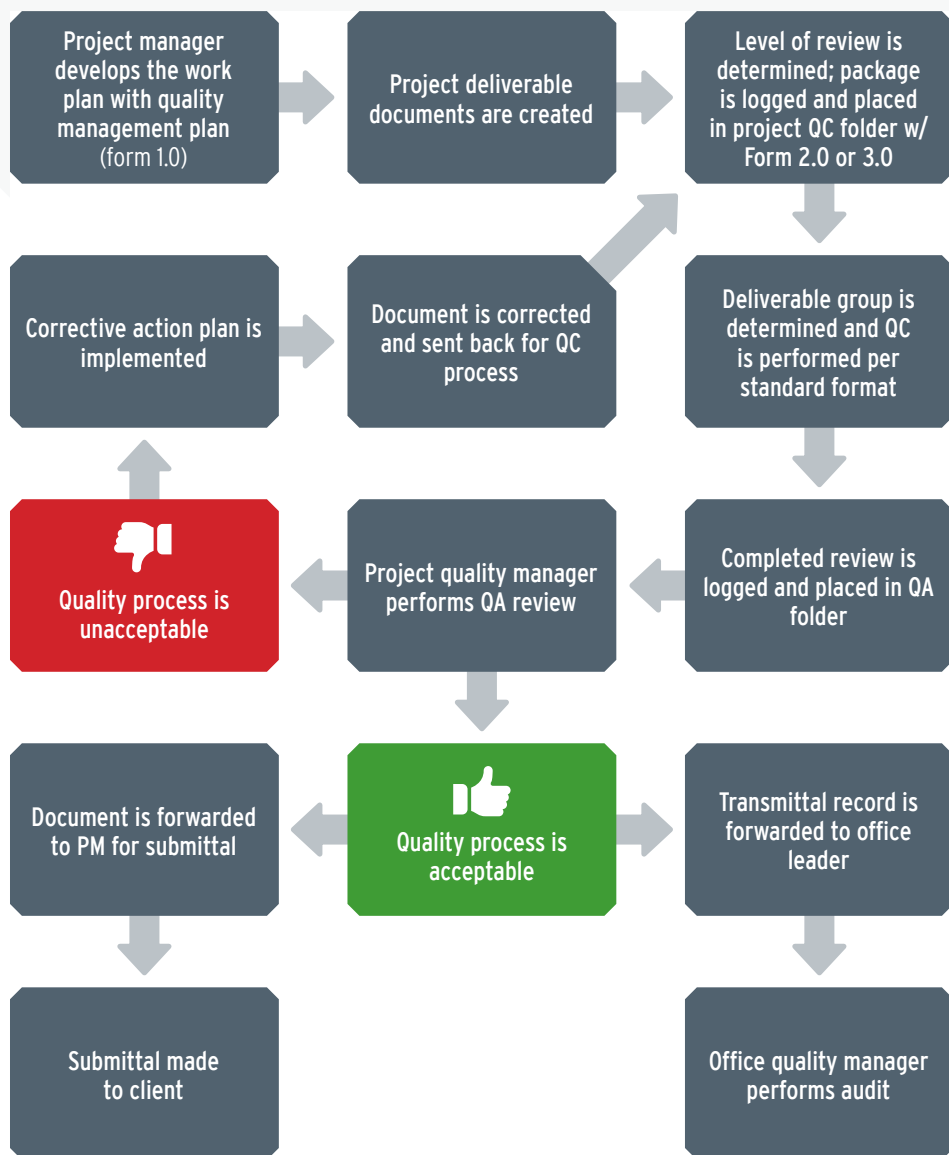
The **Quality Records** sub-folder houses all completed quality documentation that has been signed off by the QPM and the PM, all audit findings and CAP documentation.

The client deliverable folder houses only clean files which have completed QC/QA procedures that are to be submitted to the client.

4.1 QMP Process Diagram

The diagram depicts all key activities and the work flow required for the quality management process. This diagram is only intended as a guide and can be supplemented as required by the PM or QPM, based upon project complexity or client requirements.

Quality Process Diagram



All deliverables submitted to the LADOTD will be subject to QC/QA as described in our QMP. A specific list of deliverables and milestones will be developed and described in the contract scope of work.

LADOTD Consultant Submittal QC/QA Certification

[illegible]



Bridge Quality Management Plan

FORM 2.0

LEVEL 1 CHECK PRINT SIGN-OFF SHEET

Client Name: _____

Job Title: _____

Job Number: _____

Document Title: _____

- Check Level (Mark One):
- ☐ 1 - 100% Document Check
- ☐ 1 - 100% Input Check (When Pre-Validated Software in Used)

	Name	Received Date	Completion Date
Originated By:	☐ _____	_____	_____
Checked By:	☐ _____	_____	_____
Backchecked By:	☐ _____	_____	_____
Verified By:	☐ _____	_____	_____

Comments:



Bridge Quality Management Plan

FORM 3.0

LEVEL 2 REVIEW MEMORANDUM

Client Name: _____

Job Title: _____

Job Number: _____

Document Title: _____

- Check Level (Mark One):
- ☐ Studies or Report Type Documents
- ☐ Documents Prepared by Others
- ☐ Checklist
- ☐ CADD QC Audit
- ☐ Other
Specify below:

	Name	Received Date	Completion Date
Reviewed By:	☐ _____	_____	_____

Review Findings:



FORM 4.0

QUALITY AUDIT CHECKLIST

AUDITED AREA:			DATE(S) OF AUDIT:	
AUDITOR:			AUDIT:	
AUDIT ITEM	REFERENCE	METHOD OF VERIFICATION	CONFORMS	
			YES	NO
1. Have computer programs utilized been validated?	QMP Group D	Review validation records.		
2. Are calculation check prints available?	QMP Group B	Review originals and check prints		
3. Were calculations checked prior to drawing checking?	QA Folder, QMP Log	Review check prints.		
4. Are drawing check prints available?	QMP Group E	Review record set and check prints.		
5. Are check prints of specifications available?	QMP Group A	Review record set and check prints.		
6. Is checking of input to computer programs being accomplished?	QMP Group B	Review originals and check prints		
7. Are check prints of studies or report-type documents available?	QMP Group A	Review check prints.		
8. Are procedures for marking up check prints being followed? Checker - Yellow/Red Backchecker - Green Updater - Blue Verifier - Yellow	QA Folder	Review check prints.		
10. Are check prints properly signed and dated?	QA Folder	Review check prints.		
11. Are plan reviews completed?	QMP Log	Review package to verify that comment sheets are available.		
12. Are the review comments incorporated into the final documents or disposed of as otherwise noted?	QA Folder	Review for verification that Design Reviews comments have been		

		incorporated. Review for verification that comments from prior Design Reviews have been incorporated.		
13. Are check prints of graphic elements available?	QMP Group C	Review check prints.		
14. Are all checklists validated?	QMP Group D	Review check prints.		

Corrective Action Log

HNTB - Quality Manager:

Form 5.0

Project #	PM or PQM	Issue Summary	Corrective Action	Implemented
12345	Joe Smith	Subs delayed project submittal	Updated schedule for additional time for subs; weekly conference calls initiated	1/1/2012

Preventative Action Log

HNTB - Quality Manager:

Project #	PM or PQM	Issue Summary	Preventative Action	Implemented
12345	Joe Smith	Task 50% complete - 65% spent	Weekly monitoring by PM	1/1/2012

Sample Check Print Stamps**CHECKING PRINT**

Checked by _____ Date _____
 Back Checked by _____ Date _____
 Corrected by _____ Date _____
 Tracing Signed by _____ Date _____

**AUXILIARY
CHECKING PRINT NO. _____**

Checked by _____ Date _____
 Back Checked by _____ Date _____
 Corrected by _____ Date _____
 Tracing Signed by _____ Date _____

DOTD QC/QA Certification

Project No.: H.0XXXXX

Project Name: XXXXXXXXXXXXX

We, the undersigned designers, detailers, checkers and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for the project. We certify that the work for which we are responsible has been completed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	PE Registration No.	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
EOR						

DOTD Consultant Submittal QC/QA Certification

Project No.: H.0XXXXX

Project Name: XXXXXXXXXXXXX

I, the undersigned Supervisor or Team Leader for this project, certify that the information included in this submittal has been prepared in accordance with the QC/QA plan documents and LADOTD Bridge Design Section policy on QC/QA and the information presented is accurate and meets the requirements of this submittal. All CAD drawings meet LADOTD CAD standards.

Submittal Description

Supervisor or Team Leader Name

Signature

Date



SECTION 22

Sub-consultant Information

22. Sub-consultant information:			
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
Ardaman & Associates, Inc.	316 Highlandia Drive Baton Rouge, LA 70810	Robert Jewell rjewell@ardaman.com	(225) 666-4598
Coastal Environments, Inc.	1260 Main Street Baton Rouge, LA 70802	David Kelley dkelley@coastalenv.com	(225) 383-7455
ELOS Environmental, LLC	607 West Morris Avenue Hammond, LA 70403	Lucas Watkins lwatkins@elosenv.com	(985) 662-5501
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Russell J. "Joey" Coco, Jr. jcoco@forteandtablada.com	(225) 927-9321
Gulf South Land Title Resources, LLC	341 St. Joseph Street Baton Rouge, LA 70802	Drew Gaudet dgaudet@gulfsouthland.com	(225) 344-4635
KGC Environmental Services, Inc.	344 Black River Drive Madisonville, LA 70447	Kevin Guth kmguth@kgces.com	(225) 936-3456
Moffatt & Nichol Inc.	301 Main Street, Suite 800 Baton Rouge, LA 70801	Chace Hulon chulon@moffattnichol.com	(225) 610-1932
Stanley Consultants, Inc.	700 Main Street, Suite 405 Baton Rouge, LA 70802	Blake Roussel rousselblake@stanleygroup.com	(225) 388-4211
Vectura Consulting Services, LLC	PO Box 14269 Baton Rouge, LA 70898	Brin Ferlito bferlito@vecturacs.com	(225) 223-6685
Wiss, Janney, Elstner Associates, Inc.	330 Pfingsten Road Northbrook, IL 60062	Jon McGormley jmcgormley@wje.com	(847) 753-7234



SECTION 23
Location

23. Location: