

Statement of Qualifications for:

Contracts: 4400029195, 4400029196, 4400029197

IDIQ Contract for Engineering and Technical Support Services for Critical Projects Statewide

Submitted to: LADOTD
Submitted by: HNTB Corporation
Due date: June 20, 2024





June 20, 2024

Louisiana Department of Transportation & Development
Attn: Consultant Contract Services Administrator
1201 Capitol Access Road, Room 405-E
Baton Rouge, Louisiana 70802-4438

**RE: IDIQ Contract For Engineering and Technical Support Services for Critical Projects Statewide
Contract Nos. 4400029195, 4400029196, and 4400029197**

Dear members of the selection panel:

The HNTB team brings the best local knowledge with national expertise to deliver the most critical projects for the Louisiana Department of Transportation and Development (LADOTD). We bring extensive local leadership, and a team of world-class personnel with experience on a vast array of complex projects covering both conventional design activities as well as alternative delivery procurement. The HNTB team has established relationships and unparalleled knowledge of the high expectations LADOTD requires from its consultant partners. As your consultant partner, we will deliver quality work, on time, on budget, and to your satisfaction.

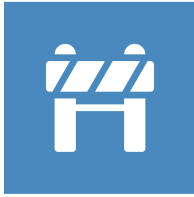
HNTB's experienced team is well-suited to continue assisting LADOTD on any assignment the critical projects retainer contract brings to bear. For almost 60 years, HNTB has partnered with LADOTD on many of your most complex projects, and we look forward to continuing our working relationship. We have assembled a team offering unequalled breadth of experience and depth of resources. This combination ensures our ability to respond to the volume and schedule for any work assignment. While HNTB will lead the way, we have focused on building the rest of our team by partnering with industry leading consulting firms for support in major project disciplines including bridge, roadway, traffic, survey, SUE, and geotechnical. By teaming with Vectura Consulting Services, LLC, the HNTB team will exceed the DBE goal of 2%. Our team includes the following highly skilled and experienced firms:

- **Ardaman & Associates, Inc.**
- **Neel-Schaffer, Inc.**
- **Forte and Tablada, Inc.**
- **T. Baker Smith, LLC**
- **KGC Environmental Services Inc.**
- **Vectura Consulting Services, LLC**

We understand the evolving nature of LADOTD's infrastructure funding programs, particularly considering federal revenue increases to renew the state's aging infrastructure. We are aware of the condition of the state's aging roads and bridges and know firsthand the LADOTD's critical role in the movement of people and goods throughout the state.

Since 2011, HNTB has successfully contracted over 130 task orders with LADOTD through our various retainer contracts as a prime, so we fully understand the requirements to successfully execute a task order contract and deliver quality work. Having a deep knowledge of LADOTD's contracting procedures and design manuals, HNTB will not only be able to contract more efficiently, but also complete projects to your expectations.

This understanding of policy and procedure can save the State valuable time and resources — which is essential on projects where the project time is critical. Our focus will be building trusted and collaborative relationships with all LADOTD staff so we can more openly communicate to resolve issues before they become critical. The HNTB team brings three key benefits to your program:



UN-PARALLELED KNOWLEDGE OF ALTERNATIVE DELIVERY WITH LADOTD

The HNTB team has provided alternative delivery services to the LADOTD for over 10 years. With more than 20 task orders over that time, our LADOTD support activities include DB and P3 procurement support, development of CMAR policy and procedure, toll feasibility and corridor analysis, grant applications and passenger rail feasibility support.



LOCAL RESOURCES WITH NATIONAL EXPERTISE

The HNTB team offers a perfect blend of local staff you already know and trust, in combination with national experts in their respective fields. We will respond to any infrastructure related need you might have whether it be advisory support, funding support, industry best practices, or specialized engineering expertise to solve your most complex issues. Our knowledge and capabilities extend far beyond our organization chart.



LADOTD'S PREMIER BENCH OF CONSULTANTS

The HNTB team offers a full suite of LADOTD's most capable consultants in their respective disciplines. We strategically partnered with firms who already hold LADOTD retainer contracts and understand LADOTD's policies and procedures. The result is a team who can deliver your most critical projects efficiently, quickly, and without significant oversight.

At HNTB, we take the utmost pride in our work and are committed to continue to support the LADOTD. We promise to be your collaborative, trusted partner in all things we do, and will always keep LADOTD's best interests in mind. We are eager to continue our partnership and assist the Department in building upon its record of accomplishments in delivery of its most critical projects. If you have any questions regarding this submittal, please contact me at (225) 715-3860.

Respectfully submitted,
HNTB Corporation

A handwritten signature in blue ink, appearing to read 'Dusty Bastion', written over a light blue circular stamp.

Dusty Bastion, PE
Project Manager



Sections 1-11

DOTD FORM: 24-102


PROPOSAL TO PROVIDE CONSULTANT SERVICES
IDIQ CONTRACTS FOR CRITICAL PROJECTS

Contract Nos. 4400029195, 4400029196, and 4400029197

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

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

1. Contract title as shown in the advertisement	IDIQ Contract for Engineering and Technical Support Services for Critical Projects
2. Contract number(s) as shown in the advertisement	4400029195, 4400029196, 4400029197
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	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 Gulf Coast District Office Leader 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 Gulf Coast District Office Leader Phone: (225) 368-2810 Email: dbastion@HNTB.com

<p>10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.</p>	<div style="text-align: center;">  </div> <hr/> <p>Signature above shall be the same person listed in Section 9</p> <p>June 19, 2024</p> <hr/> <p>Date</p>						
<p>11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.</p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><u>Firm(s):</u></td> <td style="width: 50%;"><u>Firm(s) %:</u></td> </tr> <tr> <td>Vectura Consulting Services, LLC</td> <td>2.5%</td> </tr> <tr> <td style="text-align: right;">Total:</td> <td>2.5%</td> </tr> </table>	<u>Firm(s):</u>	<u>Firm(s) %:</u>	Vectura Consulting Services, LLC	2.5%	Total:	2.5%
<u>Firm(s):</u>	<u>Firm(s) %:</u>						
Vectura Consulting Services, LLC	2.5%						
Total:	2.5%						



Section 12

Past Performance Evaluation Discipline Table



12. Past Performance Evaluation Discipline Table									
Past Performance Evaluation Discipline(s)	% of Overall Contract	HNTB Corporation (Prime)	Ardaman & Associates, Inc.	Forte and Tablada, Inc.	Neel-Schaffer, Inc.	KCG	T. Baker Smith, LLC	Vectura Consulting Services, LLC (DBE)	Each Discipline must total to 100%
Road	20%	10%	0%	0%	90%	0%	0%	0%	100%
Bridge	19%	90%	0%	10%	0%	0%	0%	0%	100%
Traffic	5%	0%	0%	0%	50%	0%	0%	50%	100%
Geotech	5%	25%	75%	0%	0%	0%	0%	0%	100%
Survey	10%	0%	0%	100%	0%	0%	0%	0%	100%
Environmental	5%	80%	0%	0%	0%	20%	0%	0%	100%
ITS	1%	0%	0%	0%	100%	0%	0%	0%	100%
Other (Alternative Delivery, SUE, & Other Services)	35%	90%	0%	0%	0%	0%	10%	0%	100%
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.									
Percent of Contract	100%	55.8%	3.8%	11.9%	21.5%	1.0%	3.5%	2.5%	100%



Section 13

Firm Size



13. Firm 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	11
	Engineer Intern	4	45
	Engineer-Other	3	67
	Environmental Manager	1	3
	Planner	1	12
	Principal	1	5
	Senior Technician	4	16
	Supervisor Engineer	11	11
	Supervisor-Other	8	71
Ardaman & Associates, Inc.	Administrative	1	1
	Clerical	1	2
	Engineer	2	4
	Engineer Intern	3	6
	Principal	2	2
	Senior Technician	7	9
	Supervisor - Engineering	3	3
	Supervisor - Other	2	2
Technician	10	14	

13. Firm 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)
Forte and Tablada, Inc.	Principal	2	4
	Surveyor	4	5
	Party Chief	2	6
	Instrument Man	2	6
	Technician	1	1
	Senior Technician	2	4
	Supervisor Eng	2	3
	Engineer	2	4
	Engineer Intern	3	5
	Designer	1	2
	CADD Technician	2	4
	Accountant	1	2
	Clerical	1	2
Neel-Schaffer, Inc.	Principal	1	2
	Supervisor - Eng	1	2
	Engineer	10	25
	Engineer Intern	2	7
	Senior Technician	1	2
KGC Environmental Services Inc.	Principal	1	1
	Senior Technician	4	4

13. Firm 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)
T. Baker Smith, LLC	Supervisor - Eng	1	1
	Supervisor - Other	1	2
	Senior Technician	2	4
	Party Chief	2	4
	Technician	3	6
	CADD Technician	1	3
Vectura Consulting Services, LLC	Supervisor-Eng	2	2
	Engineer	3	3
	Engineer Intern	2	2
	Inspector	1	1
	Senior Technician	1	1
	Supervisor-Other	1	1
	Clerical	1	1



Section 14

Organizational Chart

14. Organizational Chart

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



Project Manager
 ■ Todd Dustin Bastion, PE ^{1 2}

Quality Manager
 ■ Jeff Burst, PE

Alt. Delivery Tech. Serv.
 ■ Todd Dustin Bastion, PE

Alt. Delivery Methods (1)

■ David Boss, PE

Design Build (DB)

- Ronald Hancock, PE
- Karl Rohrer, DBIA
- Steven Howe, PE

CMAR/Progressive DB (PDB)

- Dal Hawks, PE
- Kevin Phelps
- Jeff Burst, PE

Public-Private Partnership (P3)

- Michael Gwynne, PE
- Jonathan Startin, CENG, MICE
- Timothy Heilmeier, PE

Project/Prog. Mgmt. & Other Support Serv.
 ■ Gay Knipper

Project Mgmt. (2)

■ Benjamin Goodner, PE

Risk and Value Engineering

- David McMiller

PMP/IFPs

- Lynn Maloney-Mujica, AICP
- Todd Dustin Bastion, PE
- David Boss, PE

Program Management

- Gay Knipper
- Paul Huston, PE

Grant Applications and Benefit Cost Analysis

- Buren "Buck" DeFoe, PhD, GISP
- Nathan Tipton, PhD
- Chris Kopp, AICP, CTP
- Diane Gormely-Barnes, FAICP, ENV SP, LEED AP

Quality Control & Peer Reviews (3)

■ Jeff Burst, PE

Design and Peer Reviews

- Hans Reed Hutton, PE
- Steven Thomas Hague, PE
- Lesley Vance Short, PE, PTOE, RSPI
- Ryan Felder, PE

Advisory Services (13)

■ Edwin Crooks

Policy, Feasibility & Financial Evals.

- Kate Trimble
- Ashton Williams
- Helen Landi

Strategic Advisory

- Jim Ray
- Bobby Lewis

Federal Policy, Funding & Financing

- George Riccardo

Tolling Support Serv. (13)

■ Michael Scott Cooper, PE

Toll Policy & Technology

- Steven DeBella
- Mark Hoffa

Pre-Construction and Construction Support Services
 ■ Josh Porter, PE

Env. Permitting (4)

■ Lynn Maloney-Mujica, AICP ⁴

Permit Applications

- Lynn Maloney-Mujica, AICP
- John Monzon, PE

Mitigation Compliance Support

- Lynn Maloney-Mujica, AICP

Material Sampling & Testing

- Kevin Guth, DrPH, CIH, PMP

Community Outreach & Coordination

- Lynn Maloney-Mujica, AICP
- Meredith Taylor

Road Design (9)

■ Dishili Shawon Young, PE, PTOE ¹⁰

Roadway Design

- Lesley Vance Short, PE, PTOE, RSPI ¹⁰
- Kate Prejean, PE
- Randal Bonura, PE
- Ryan Felder, PE
- Nick Joseph Ferlito, PE, PTOE ⁵
- Mai Nguyen, PE

Hydraulic Engineering

- Daniel Tanner, PE
- Mira Para, PE

Traffic Eng. (5)

■ Sheelagh Brin Ferlito, PE, PTOE ⁵

Traffic Engineering and Modeling

- Laurence Lambert, PE, PTOE, PTP
- Ellen B. Howard, PE, PTOE

Justification/Modification Reports

- Jonathan Paul Duhe, PE, PTOE, RSP

Bridge Design (10)

■ Josh Porter, PE

Bridge Design

- Steven Thomas Hague, PE ¹¹
- Hans Reed Hutton, PE ^{3 11}
- John Bernard, PE
- Patrick Duffy, PE

Bridge Inspection

- Patrick Roth, PE
- Marc Hoffmann, PE

Bridge Load Rating

- Joffrey Easley, PE

ITS Design & Support (13)

- Rakesh Sharma, PE, PTOE, PMP, CVP
- Todd Rogers

Surveying Services (6)

■ Bradley Scott Holleman, PE, PLS ^{6 7}

Topographic and Bathymetric Surveying

- Ross Andrew Wilson, PLS ^{6 7}

Advanced Measurements/Scanning

- Brent Campbell

Boundary Surveys, Title Work, Drainage and R/W Maps

- Bradley Scott Holleman, PE, PLS

Plan Dev. & Let. Supp. (11)

■ Josh Porter, PE

Plan Development

- Ryan Felder, PE
- Dishili Shawon Young, PE, PTOE
- Marc Hoffman, PE
- Patrick Duffy, PE

Letting Support

- Randal Bonura, PE
- Marc Hoffmann, PE

Plan Review Meetings

- Jeff Burst, PE
- Patrick Duffy, PE

Rdwy Lighting Design (13)

- Paul Hunter, PE
- Edward Grill

Subsurface Utility Eng. (7)

■ TJ Beau Stokes, PLS ⁸

SUE

- Perry Smith, PE

Utility Relocation Support

- Collins Landry

Geotechnical Eng. (8)

■ Brian Alan Powell, PE ⁹

Geotechnical Engineering

- Jared Sommers, PE
- Brad Wilder, PE
- Megan G. Bourgeois, PE ⁹
- Ross McGillivray

Field Investigations/Lab Testing

- Robert Jewell

Const. Support (12)

■ David Branch, PE

Shop Drawing Review

- Marc Hoffmann, PE

VE/Contractor Proposals, and RFIs

- Benjamin Goodner, PE

Non-Conformance Reports (NCR)

- Mike Gwynne, PE

LEGEND

- HNTB Corporation
- Ardaman Associates
- Forte & Tablada
- KGC Environmental Services Inc.
- Neel Schaffer
- T. Baker Smith
- Vectura Consulting Services (DBE)

■ Fulfillment of Minimum Personnel Requirement

■ RFP Scope Item



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 / certification required	State of license	License / certification expiration date
1	Todd Dustin Bastion, PE	HNTB Corporation	Professional Engineer / #36719	LA	03-31-2026
2	Todd Dustin Bastion, PE	HNTB Corporation	Professional Engineer / #36719	LA	03-31-2026
3	Hans Reed Hutton, PE	HNTB Corporation	Professional Engineer / #38204	LA	03-31-2026
4	Lynn Maloney-Mujica, AICP	HNTB Corporation	Lynn's resume presents more than five years of experience in tasks with primary responsibility for authoring NEPA documents.		
5	Nick Joseph Ferlito, PE, PTOE	Neel-Schaffer	Professional Engineer / #28001	LA	09-30-2025
5	Sheelagh Brin Ferlito, PE, PTOE	Vectura	Professional Engineer / #25383	LA	09-30-2025
6	Ross Andrew Wilson, PLS	Forte & Tablada, Inc.	Professional Land Surveyor / #5148	LA	03-31-2026
6	Bradley Scott Holleman, PE, PLS	Forte & Tablada Inc.	Professional Engineer / #47165 Professional Land Surveyor / #5082	LA	03-31-2025 09-30-2024
7	Ross Andrew Wilson, PLS	Forte & Tablada, Inc.	Professional Land Surveyor / #5148	LA	03-31-2026
7	Bradley Scott Holleman, PE, PLS	Forte & Tablada Inc.	Professional Engineer / #47165 Professional Land Surveyor / #5082	LA	03-31-2025 09-30-2024
8	TJ Beau Stokes, PLS	TB Smith	Professional Engineer / #40079	LA	03-31-2026
9	Brian L. Powell, PE	HNTB Corporation	Professional Engineer / #41551	LA	09-30-2025
9	Megan G. Bourgeois, PE	Ardaman Associates	Professional Engineer / #36725	LA	03-31-2026
10	Lesley Vance Short, PE, PTOE, RSP1	HNTB Corporation	Professional Engineer / #26026	LA	03-31-2026
10	Dishili Shawon Young, PE, PTOE	HNTB Corporation	Professional Engineer / #33723	LA	09-30-2024
11	Steven Thomas Hague, PE	HNTB Corporation	Professional Engineer / #28414	LA	09-30-2025
11	Hans Reed Hutton, PE	HNTB Corporation	Professional Engineer / #38204	LA	03-31-2026

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Randal Bonura, PE	55	Rakesh Sharma, PE, PTOE, PMP, CVP	100
David Branch, PE	57	Perry Smith	101
Brent Campbell	58	Jared Sommers, PE	102
Edwin Crooks	59	Jonathan Startin, C.ENG, MICE	103
Buren "Buck" Defee, PhD, GISP	60	Daniel Tanner, PE	105
Jonathan Paul Duhe, PE, PTOE, RSP	61	Meredith Taylor	106
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Diane Gormely-Barnes, FAICP, ENV SP, LEED AP	63	Kate Trimble	109
Edward Grill	65	Brad Wilder, PE	110
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Section 16 Staff Experience

16. Staff Experience

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

Firm employed by: **HNTB**



Name	Todd Dustin "Dusty" Bastion, PE	Years of relevant experience with this employer	11
Title	Project Manager, Associate Vice President	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2007 / Civil Engineering	
Active registration number / state / expiration date		PE: #36719 / LA / 03-31-2026	
Year registered	2011	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Manager; Alternative Delivery Technical Services Group Director; PMP/IFPs Minimum Personnel Requirement ① ②	

Dusty has 18 years of experience that consists of management experience in various types of design and alternative delivery projects. He has participated in development of procurement documents for P3 and DB projects, ranging from bridge replacements on state highways to interstate interchange replacements. His work includes development of technical procurement documents, construction cost estimates, construction duration schedules and other procurement support activities. He has written performance specifications and technical provisions for various engineering disciplines, and has led owner verification design reviews. His management experience in bridge related projects includes PS&E development, cost estimating, quality control review, construction related engineering services, detailing, analysis, inspection and load rating of bridge structures on projects of various complexities, ranging from multi-level interchanges to off-system bridge replacements. Responsibilities have included coordination of structural, roadway, traffic, electrical and mechanical engineering disciplines.

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).
04/20-Ongoing	LADOTD IDIQ Contract for Innovative Procurement and Alternative Delivery Support Services, Statewide, Louisiana Project manager for this task order based IDIQ contract focused on innovative procurement and alternative delivery support services. Over the past four years, he has directly managed the contracting and execution of 12 task orders spanning across P3 procurement, DB procurement, advisory services, grant applications, and early works projects to facilitate larger P3 project. Specifically, Dusty has led the P3 procurement for the I-12 Managed Lanes project, led DB procurement for the Jimmie Davis Bridge Replacement, managed grant applications for bridge replacements in Ruston, LA as well as grants for BR-NO passenger rail, and lastly, managed various early works projects for the I-10 Calcasieu project including existing bridge inspection/rehab, RR spur relocations, and facilitating pipe rack relocations to ensure the larger P3 can be constructed without delay. Due to the critical nature of all of these assignments, he worked closely with LADOTD and internal HNTB personnel to ensure the on-time delivery of all deliverables.
05/22-Ongoing	LADOTD IDIQ Contract for Tolling Support, Statewide, Louisiana Project manager for this task order based IDIQ contract focused on tolling support services. Over the past two years, he has managed the contracting and execution of eight task orders spanning across toll operations support, toll implementation support, toll stakeholder outreach, systems engineering analysis (SEA) reporting and inspection of structures which contain toll facilities. Specifically, Dusty has coordinated the continued toll operations support of the existing LA 1 toll facility while also managing the implementation of new toll facilities at LA 1 and Belle Chasse which are a part of the Belle Chasse P3 project. Additionally he has participated in stakeholder outreach related to LA 1 toll users, participated in the development of an SEA report focused in placement of speed monitoring cameras along the I-10 Atchafalaya Basin, and oversaw annual structural inspections of the entire LA 1, Phase 1 structure from Port Fourchon to Leeville.

Dusty Bastion

08/19-Ongoing	LADOTD I-10/Loyola Interchange DB Owner Verification (OV), Jefferson Parish, Louisiana Technical advisor who reviewed assignments for this DB OV project. He is responsible for making technical review assignments based on contents of each submittal, and then ensuring comments are compiled in Form DRs and returned within a reasonable timeframe. Specific responsibilities include managing review RFIs, design calculations, design criteria, and plan submittals. Additionally, adherence to the performance-based specifications and constructability of Design-Builder's progress submittals is verified for 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 (LANOIA) terminal expansion. Dusty also developed the FHWA mandated Financial Plan on behalf of LADOTD.
08/15-04/22	LADOTD LA 23: Belle Chasse Bridge and Tunnel Replacement P3, Belle Chasse, Louisiana Technical procurement team lead on this alternative delivery bridge and tunnel replacement project. This P3 project, which is the first of its kind in Louisiana, will replace two obsolete highway facilities with one new fixed span bridge. Dusty's roles included development of technical procurement documents, response to developer questions, attendance in confidential meetings with contractors, utility and stakeholder involvement, proposal evaluation participation, and very close coordination with LADOTD leadership to ensure this project is a leading example of what alternative delivery can do for the State of Louisiana. A developer is anticipated to be selected in mid-2019 and construction is anticipated to be finished in 2022.
04/20-Ongoing	LADOTD IDIQ Contract of Bridge Preservation, Statewide, Louisiana Project manager for this task-order-based IDIQ contract focused on bridge preservation. Over the four years, he has directly managed the contracting and execution of more than 20 task orders. Task orders have consisted of interstate median barrier design and detailing (I-20 in Bossier and I-10 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.
08/15-04/22	LADOTD 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 accelerated bridge construction (ABC) techniques (I-20 Rehab in Bossier, US 80 over I-20 in Calhoun, US 90 over LDRR and LA 329 in New Iberia, US 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, LA 532 over I-20 near Minden) and analysis/rehabilitation of thru-truss structures (LA 182 Bridge in Charenton, US 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.
05/17-Ongoing	LADOTD US 90 Atchafalaya River Bridge Repairs, Morgan City, Louisiana Project manager for this steel through-truss structure, which crosses the Atchafalaya River in Morgan City, LA. 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. Dusty 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. Currently this project is near the end of construction and construction support services are nearly complete. 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-Ongoing	LADOTD 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 accelerated bridge construction methods, and environmental regulations. This project is currently under construction and he is leading all construction support services activities.

16. Staff Experience

Firm employed by: **HNTB**



Name	Hans Reed Hutton, PE	Years of relevant experience with this employer	27
Title	Vice President, Chief Engineer, Senior Technical Advisor - Engineering	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

Year registered	2013	Discipline	Civil
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Contract role(s) / brief description of responsibilities	Design and Peer Reviews; Bridge Design Minimum Personnel Requirement 3 11
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Hans is a vice president, HNTB Fellow and chief engineer in HNTB’s Kansas City Bridge Department. He has worked on a variety of complex urban highway projects and 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 also has experience 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).
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01/20-05/21	Missouri DOT US 169 over the Missouri River DB, Kansas City, Missouri Lead bridge engineer for this major \$220M interchange and Missouri River crossing that included 10 bridges. Two bridges crossing the Missouri River 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 and the navigation spans are 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 US 169 and are comprised of steel plate girder and prestressed concrete girder spans. The remainder of the bridges are approaches or smaller flyover bridges that are a combination of curved steel plate girder and prestressed concrete spans. The project employed a variety of reinforced concrete substructures founded on drilled shafts.
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01/19-09/20	Virginia DOT I-95 Express Lanes Fredericksburg Extension P3, Fredericksburg, Virginia Engineer of record for seven bridges, including three precast, pretensioned concrete girder bridges and four curved steel flyover bridges. This project involved the extension of two express lanes north of Fredericksburg in the median of the I-95 corridor.
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05/13-01/17	New York State DOT Brooklyn Queens Expressway Kosciuszko Bridge DB, Brooklyn, New York Engineer of record and technical lead for this 1,000-foot, two span cable-stayed bridge. This bridge incorporated steel edge girders composite with a post-tensioned concrete deck. The concrete pylon utilized steel anchor boxes for the anchorage of the stay-cables. This bridge spans a navigable waterway. Structural analyses included detailed erection analyses as well as geometric and material nonlinear seismic time history analyses.
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01/22-10/22	Harris County Toll Road Authority Sam Houston Tollway over the Houston Ship Channel, Houston, Texas Lead engineer for an in-depth independent design check of the cable-stayed unit replacing the existing bridge. The \$750M new cable-stayed unit is a five span, 2,720-foot composite steel and concrete bridge with a 1,320-foot main span.
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Hans Hutton

01/17-05/19	Texas Department of Transportation (TxDOT) US 181 Harbor Bridge P3, Corpus Christi, Texas SME providing peer review for the design of the replacement bridge 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.
01/11-05/12	Ohio DOT Cleveland Innerbelt Bridge DB, I-90 over the Cuyahoga River, Cleveland, Ohio Engineer of record for this project involving the design and construction of 18 bridges and 10 retaining walls. This included a 3,100-foot, steel delta frame viaduct over the Cuyahoga River and new composite steel approaches including 410-foot unit, 840-foot unit and 760-foot units.
03/03-05/04	Iowa DOT I-235 Bridge over University Avenue, Des Moines, Iowa Engineer of record responsible for leading the design of this 11-lane, three-span, 221-meter, skewed composite steel plate girder bridge on concrete piers and abutments.
01/10-04/11	Port of Long Beach Ocean Boulevard over the Long Beach Channel (Gerald Desmond Bridge), Port of Long Beach, California Design engineer who assisted in the conceptual design of this 2,000-foot cable-stayed bridge. This three-span, steel cable-stayed unit incorporated a 1,000-foot main span over the Long Beach Channel.
05/01-04/03	Missouri DOT Bill E. Emerson Memorial Bridge over the Mississippi River, Cape Girardeau, Missouri Design engineer who assisted in the design of the main spans of this 2,100-foot, steel cable-stayed bridge. This three-span unit incorporated a 1,150-foot main span over the Mississippi River.

16. Staff Experience


Firm employed by: **HNTB**

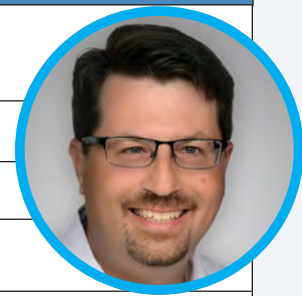


Name	Lynn Maloney-Mujica, AICP	Years of relevant experience with this employer	6
Title	Senior Planner/Senior Environmental Scientist	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization	MS / 2008 / Environmental Science BS / 1976 / Liberal Arts		
Active registration number / state / expiration date	AICP: #20555 / National		
Year registered	2006	Discipline	Certified Planner
Contract role(s) / brief description of responsibilities	PMP/IFPs; Environmental Permitting Task Lead; Permit Applications; Mitigation Compliance Support; Community Outreach & Coordination Minimum Personnel Requirement 4		
Lynn is a certified planner whose most recent experience has focused on infrastructure projects. As a consultant in the private sector for the last 20 years, Lynn has worked for a wide range of city, parish, state, and federal agencies. Her expertise in National Environmental Policy Act (NEPA) analyses and documentation is broadly interdisciplinary and includes public outreach and stakeholder engagement as required for these projects. Since January 2023, she serves as the manager of the Integrated Planning and Policy Department for the Gulf Coast District of HNTB.			
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-Ongoing	LADOTD I-10 Calcasieu River Bridge Improvements Environmental Impact Statement (EIS), Lake Charles, Louisiana 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. To date, she has designed, managed, and conducted one stakeholder meeting, two alternatives analysis workshops, one agency/local official briefing, and one large-scale in person public meeting. In 2021, she coordinated an online virtual public meeting, public officials briefing and Context Sensitive Solutions and Design Workshop using the latest technologies for public outreach and comment capture. The draft EIS was published in the federal register and Lynn is managing the response to FHWA comments, delivery of the initial financial plan, preliminary project management plan, and the mitigation plan for impacts to navigation.		
06/18-08/18	LADOTD LA 23 Belle Chasse Bridge and Tunnel Replacement P3, Plaquemines Parish, Louisiana Senior environmental planner for this P3 project, which is the first of its kind in Louisiana, will replace two obsolete highway facilities with one new, fixed span bridge. Lynn’s role included preparing the traffic noise analysis report.		
10/19-02/20	LADOTD LA 1, Phase 2, Leeville to Golden Meadow, Louisiana Member of the grant application team that prepared an Infrastructure For Rebuilding America (INFRA) grant application for funding to complete the elevation of eight miles of roadway to protect America’s premier oil production and distribution center–Port Fourchon–against severe weather event disruptions. About 20% of the nation’s domestic energy production relies on this corridor. This application received \$135M - the largest such award to date, and about 15% of 2020’s INFRA grant funds. Her responsibilities included team coordination, editorial review, and obtaining 50 customized letters of support from local, regional, and national stakeholders.		
09/19-11/19	LADOTD I-10 & I-12 College Drive Flyover Ramp, Baton Rouge, Louisiana Senior planner who was 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. She was also responsible for developing exhibits, looping presentation, and other meeting materials, addressing comments, and producing the meeting transcript. In addition, she supervised meeting schedule and venue coordination.		

Lynn Maloney-Mujica

08/19-09/19	LADOTD I-10/Loyola Interchange DB OV, Jefferson Parish, Louisiana Senior planner who was responsible for delivering a supplemental noise analysis report for a flyover ramp developed by the DB team. She was responsible for documentation preparations and revisions and interoffice coordination with TNM 2.5 modeling team.
08/20-Ongoing	East Baton Rouge Parish Florida Boulevard and Airline Highway INFRA Grant, Baton Rouge, Louisiana Senior planner/environmental task lead for the environmental review, which in anticipation of federal funding, will adhere to LADOTD NEPA requirements for a Programmatic Categorical Exclusion. In addition to environmental and public outreach, responsibilities will include oversight of Complete Streets implementation through incorporation of appropriate transit, pedestrian, and bicycle facilities in the redesign of the 4-mile corridor.
08/20-Ongoing	City of Baton Rouge/Parish Of East Baton Rouge MOVEBR Complete Streets Workgroup, East Baton Rouge Parish, Louisiana Senior planner/environmental task lead. In anticipation of federal funding, environmental review will adhere to LADOTD NEPA requirements for a Programmatic Categorical Exclusion. In addition to environmental and public outreach, responsibilities will include oversight of Complete Streets implementation through incorporation of appropriate transit, pedestrian, and bicycle facilities in the redesign of the 4-mile corridor.
10/18-10/19	New Orleans Regional Planning Commission General Meyer Avenue Complete Streets Study, Algiers, Orleans Parish, Louisiana Senior planner whose responsibilities included analysis and conceptual development of General Meyer Avenue as a multimodal corridor to enhance use by transit riders, pedestrians, and bicyclists in support of continued economic revitalization and safety improvements in Algiers. She designed the materials and planned the outreach approach for two public meetings held in 2019. The first included an interactive station that helped stakeholders visualize the trade-offs required to introduce protected bike lanes and pedestrian facilities into the existing cross-sections.
03/22-Ongoing	East Baton Rouge Parish Government/Baton Rouge Recreation Department (BREC), North Baton Rouge Mobility Network INFRA Grant, North Baton Rouge, Louisiana Member of the Grant Application Team who prepared a winning INFRA grant for \$69.8M to fund three projects: a complete streets enhancement, a US highway capacity upgrade, and an infill of the project triangle with off-road and on-road pedestrian and bicycle facilities. She is currently coordinating among disparate project team members and sponsor to complete contracting with FHWA.
09/22-Ongoing	LADOTD Baton Rouge-New Orleans Intercity Passenger Rail Feasibility Study Update, Baton Rouge and New Orleans, Louisiana Project manager to refresh the original 2014 study to prepare for potential grant funding under the Bipartisan Infrastructure Law. Report includes an environmental inventory mapbook to set the stage for Environmental Review and Preliminary Engineering Task Order kicked off in July 2023.
10/18-Ongoing	CATS Baton Rouge BRT, Plank Road to Nicholson Drive, Baton Rouge, Louisiana Senior planner responsible for local coordination, data collection, and environmental analysis for a 10-mile BRT project connecting north and south Baton Rouge. Stakeholders and the public were engaged over the course of three days to introduce the project, followed by a second series of meetings to present the proposed plan. A critical component of public outreach was the consistent engagement of all pertinent agencies and stakeholders by providing information and collecting input at related events. Provided local perspective for the \$150M BUILD grant application, which was awarded by FTA, with direct responsibility for soliciting and collecting letters of support. Provided support for NEPA compliance for the project including coordination for historic standing structures, environmental justice, noise impacts and floodplain coordination.
05/15-06/18	LADOTD US 51 Improvements (LA 22 to Club Deluxe Road), Hammond to Ponchatoula, Tangipahoa Parish, Louisiana NEPA technical lead responsible for mapping and data collection, natural resource surveys and reports, hazardous, toxic and radioactive waste (HTRW) and relocations. Also organized schedule, venue and staffing for public meetings and the public hearing in advance of the Finding of No Significant Impact (FONSI).
05/19-05/20	Plaquemines Parish Government New Orleans to Venice East Bank Hurricane Back Levee Reach C Culvert Abandonment, Plaquemines Parish, Louisiana Prepared Coastal Use Permit and Section 408 Permission applications and secured authorizations from the LA Department of Natural Resources and USACE-New Orleans District for the project.
12/18-08/20	Plaquemines Parish Government Jesuit Bend Flood Protection Project, Plaquemines Parish, Louisiana Developed the permitting plan, environmental inventory, and the preliminary environmental assessment (EA). Served throughout the project as Project Quality Manager.

16. Staff Experience			
Firm employed by: 			
Name	Nick Joseph Ferlito, PE, PTOE	Years of relevant experience with this employer	28
Title	Senior Vice President	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		MS / 1996 / Civil Engineering BS / 1993 / Civil Engineering	
Active registration number / state / expiration date		PE: #28001 / LA / 09-30-2025 PTOE: #930	
Year registered	1998	Discipline	Civil
Contract role(s) / brief description of responsibilities		Roadway Design Minimum Personnel Requirement 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).		
04/23-Ongoing	LADOTD Jimmie Davis DB, Louisiana Project manager, QA/QC for the traffic analysis, TMP, traffic signal design and safety analysis. This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a four-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway.		
08/20-Ongoing	LADOTD I-10/I-12 at College Drive Flyover Ramp DB, Louisiana Project manager for traffic analysis, QA/QC for the traffic analysis, TMP, traffic signal design and safety analysis. The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard.		
08/14-03/15	US 90 (Future I-49) LA 318 Interchange DB Project Proposal, Louisiana Traffic analysis task lead for the project which included a new grade separated interchange at the existing LA 318 intersection, the reconstruction of the mainline of US 90 (Future I-49) and a frontage road system.		
09/18-12/18	I-20 at 220 Interchange Improvement & BAFB DB Project Proposal, Louisiana Traffic and safety analysis task lead for this project that completed the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad.		
01/20-Ongoing	I-20: LA 544 Overpass Replacement, Louisiana TMP and traffic analysis QA/QC for the project that will construct a roundabout interchange at I-20 and LA 511 and widening LA 511.		
10/13-12/16	LA 30 Stage 0 Traffic & Safety Study, Gonzales, Louisiana Project manager for the traffic study, including a TIER analysis for new interchange concepts at I-10 at LA 30, as well as corridor improvements between LA 3251 and LA 44. Future traffic forecasts for the study were developed using the CRPC Travel Demand model and considered future interchanges at I-10 and LA 74 and LA 429. The recommended TIER I alternatives were analyzed in detail using VISSIM.		
07/16-Ongoing	I-49 South at Verot School Road, Lafayette, Louisiana Performed traffic QA/QC on the preparation of a Level 3 TMP and design of temporary and permanent traffic signals. The project includes a multilane roundabout.		
11/16-08/19	LA 385 Feasibility Study, Lake Charles, Louisiana Project manager for the Stage 0 Report in support of safety and traffic operational improvements along with the LA 385 (Ryan Street) corridor between LA 3186 south of I-10 to Eddy Street north of I-10, including the LA 385 interchange with I-10. The project also includes multilane roundabouts.		




16. Staff Experience			
Firm employed by: VECTURA CONSULTING SERVICES, LLC			
Name	Sheelagh Brin Ferlito, PE, PTOE	Years of relevant experience with this employer	8
Title	Principal	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		BS / 1988/ Civil Engineering	
Active registration number / state / expiration date		PE: #25383 / LA / 09-30-2025	
Year registered	1993	Discipline	Civil
Contract role(s) / brief description of responsibilities		Traffic Engineering Task Lead Minimum Personnel Requirement 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).		
07/21-Ongoing	LADOTD EBR Computerized Traffic Signal, Phase VB, Baton Rouge, Louisiana Task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Conducted field visits to confirm pole foundation locations.		
07/19-Ongoing	MOVEBR 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-Ongoing	LADOTD Belle Chasse Bridge & Tunnel Replacement P3, Belle Chasse, Louisiana Project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster Street and at Engineers Road. She based her traffic signal designs 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 DOTD.		
09/20-12/21	LADOTD 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, LA. The project involves replacing three existing signalized intersections with multilane 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	LADOTD LA 1 Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Design West Baton Rouge Parish, Louisiana Engineer who developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990. 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, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the LADOTD permit request for intersection control devices on a state ROW.		



Brin Ferlito


09/17-04/18	US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Equipment Design Slidell, Louisiana Engineer who 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 three-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	Nuclear Regulatory Commission Enhancing Guidance for Evacuation Time Estimate Studies, 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	LADOTD Signal Design for N. Sherwood Forest Dr. Widening Project, Baton Rouge, Louisiana Project engineer who was in responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and LADOTD requirements. Brin 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	EBR 03-TS-CI-0026 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 well as all items on the EBR project closeout checklist.
07/08-09/09	LADOTD 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 DOTD Project Closeout Checklist including the 2059 Report.
09/13-04/14	LADOTD Jefferson Hwy. 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:			
Name	Ross Andrew Wilson, PLS	Years of relevant experience with this employer	13
Title	Surveyor	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2010 / Geomatics	
Active registration number / state / expiration date		PLS: #5148 / LA / 03-31-2026	
Year registered	2015	Discipline	Land Survey
Contract role(s) / brief description of responsibilities		Topographic and Bathymetric Surveying Minimum Personnel Requirement 6 7	
Ross has 15 years of experience of managing field crews and office work for on-system LADOTD topographic surveys, with nine years being the professional surveyor-in-charge. He has successfully managed 31 task orders under five separate topographic and ROW IDIQ Contracts. He will lead the effort on estimating task orders and producing project deliverables ahead of any project deadlines. Ross will be responsible for all QA/QC efforts of each topographic survey task order, including the final project deliverables.			
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	LADOTD Calcasieu River Bridge, Calcasieu Parish, Louisiana Surveyor-in-charge for this project providing topographic survey and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately seven miles long. Forte and Tablada completed Mobile LiDAR scanning services for much of the corridor as a means of obtaining topographic data without endangering surveyors. The survey also included multibeam hydrographic survey of Lake Charles, and Terrestrial LiDAR scanning of bridge substructures. 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.		
08/19-Ongoing	LADOTD I-10/Loyola Interchange Improvements, Kenner, Louisiana Surveyor-in-charge providing topographic survey, ROW survey, and drainage survey. 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. The survey was part of a DB project, which required weekly data updates to allow the design team to begin working and stay on schedule. Due to the compressed timeline of the survey, a total of three survey firms were contracted to split up the workload, with Forte and Tablada, Inc. serving as Prime Surveyor, being responsible for management and QA/QC of all survey work. Ross was responsible for ensuring all survey work was completed on schedule, while also meeting all LADOTD requirements.		
08/15-Ongoing	LADOTD I-49 Connector, Lafayette Parish, Louisiana Survey manager/surveyor-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. Forte and Tablada, Inc. completed terrestrial LiDAR scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors. Forte and Tablada, Inc. was able to mobilize up to four survey crews on this project, in order to meet phased deadlines. This project demonstrates his ability to fulfill the minimum personnel requirement of having over five years of experience in conducting topographic surveys and developing ROW maps for LADOTD.		
01/20-10/20	LADOTD I-10 Atchafalaya Basin Bridge-W. Baton Rouge P/L; I-10: Iberville P/L-W. Mississippi Bridge; I-10: W. Bridge 290-W End of LA 415, West Baton Rouge & Iberville Parishes, Louisiana Project manager for complete topographic survey, approximately 18.3 miles, from the east end of the Atchafalaya Bridge to the west end of the I-10/LA 415 Interchange.		



Ross Wilson

<p>11/19-12/20</p>	<p>LADOTD Calcasieu River Bridge Investigation, Lake Charles, Louisiana Surveyor to provide laser scanning services for the I-10/Lake Calcasieu bridge. Terrestrial scans were done underneath the bridge for 10 spans on the east and west side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile LiDAR was done for future planning.</p>
<p>11/18-04/19</p>	<p>LA 327 Spur Staring Lane Extension Route LA 327-S, East Baton Rouge Parish, Louisiana Project manager for a topographic survey for this project in between the intersections of LA 42 (Burbank Drive) and Staring Lane and LA 327 (Gardere Lane) and LA 30. A complete Topographic survey including all utilities with depths and all drainage was required, along with finish floor elevations of all buildings that fall within the survey limits.</p>
<p>05/17-10/18</p>	<p>LADOTD Belle Chasse Bridge and Tunnel Replacement Hydrographic Survey, Plaquemines Parish, Louisiana Surveyor for comprehensive topographic surveying services for the Belle Chase Bridge and Tunnel Replacement project. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway surfaces, and multi-beam 3D hydrographic surveying.</p>
<p>12/16-12/19</p>	<p>LADOTD IDIQ Contract No. 4400009164 for Professional Surveying Services - Statewide with Majority of Work in Districts 03 and 07, Louisiana Surveyor performing property surveys, establishing existing ROW, ROW maps and title take-offs for LADOTD.</p>

16. Staff Experience			
Firm employed by: 			
Name	Bradley Scott Holleman, PE, PLS	Years of relevant experience with this employer	3
Title	Senior Vice President, Survey/Advanced Measurements & Modeling	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		BSCE /2009 / Civil Engineering	
Active registration number / state / expiration date		PE: #47165 / LA / 03-31-2025 PLS: #5082 / LA / 09-30-2024	
Year registered	LA 2012 (PLS), 2022 (PE)	Discipline	Land Surveying, Civil
Contract role(s) / brief description of responsibilities		Surveying Services Task Lead; Boundary Surveys, Title Work, Drainage and R/W Maps Minimum Personnel Requirement 6 7	
Bradley has 17 years of experience of managing field crews and office work on on-system LADOTD topographic surveys, boundary surveys and ROW mapping with eight years being the supervising professional and three years as principal. He has successfully managed over 40 task orders under eight separate Topographic and ROW Mapping IDIQ Contracts with LADOTD.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
03/12-11/12	LADOTD LA 16 at LA 22 Roundabout, Livingston Parish, Louisiana Surveyor-in-charge for the topographic survey and ROW map. This project was for a the construction of a roundabout at the intersection of LA 22 and LA 16. The work consisted of conducting field and office analysis to determine the existing ROW and produce a set of ROW maps, according to LADOTD specifications, for acquisition of parcels required for construction.		
04/12-09/12	LADOTD LA 3188 Drainage Improvements, Laplace, Louisiana Surveyor-in-charge for the topographic survey and existing drainage map. This project was for drainage improvements to resolve localized roadway flooding along LA 3188. 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	Bayou Corne Sink Hole Parcel Maps, South Louisiana Surveyor-in-charge for the property survey and ROW map. This project to address the salt dome collapse near Bayou Corne. The work consisted of conducting field and office analysis to determine the existing ROW and produce a set of ROW maps, according to LADOTD specifications, for acquisition of parcels required for monitoring the roadway.		
12/14-03/16	LADOTD I-12, LA 21 to LA 59, St. Tammany Parish, Louisiana Surveyor-in-charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for widening of Interstate 12 from LA 21 to LA 59. 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.		
09/15-01/16	LADOTD Nighthawk/Spanish Trail, South Louisiana Surveyor-in-charge for the property topographic survey and ROW map. This project was for the construction of a new railroad crossing connecting Nighthawk Road to Spanish Trail. The work consisted of conducting field and office analysis to determine the existing ROW and produce a set of ROW maps, according to LADOTD specifications, for acquisition of parcels required for construction.		
06/16-02/17	LADOTD Chef Menteur Pass Bridge, New Orleans, Louisiana Surveyor-in-charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for the design of new bridge to replace the existing swing bridge on US 90 over Chef Menteur Pass. The work consisted of completing a topographic survey, according to the 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.		



Bradley Holleman

04/17-10/19	LADOTD LA 339 and LA 339S Bayou Parc, South Louisiana Survey Retainer, Louisiana Surveyor-in-charge for the property survey and ROW map. This project was for the construction of a bridge replacement and improvements along LA 339. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LADOTD specifications, for acquisition of parcels required for construction.
1/18-4/20	LADOTD LA 415 to Essen Lane, Louisiana Surveyor-in-charge for the topographic survey and 3D Mobile laser scanning. This project was for the widening design of I-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 four survey firms to complete the work on schedule.
5/18-4/19	LADOTD I-10 Paris Road, Lake Pontchartrain, Louisiana Surveyor-in-charge for the topographic survey, 3D Mobile laser scanning and existing drainage map. This project was for the design of I-10 improvements of an 8-mile stretch in New Orleans East. 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.
08/19-Ongoing	LADOTD I-10/Loyola Interchange Improvements, Kenner, Louisiana Surveyor-in-charge/principal-in-charge providing topographic survey, ROW survey, and drainage survey. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Ave. and portions of Veterans Blvd. for approximately 3.2 miles of roadway. The survey was part of a DB Project, which required weekly data updates, to allow the design team to begin working and stay on schedule. Due to the compressed timeline of the survey, a total of three survey firms were contracted to split up the workload, with Forte and Tablada serving as prime surveyor and being responsible for management and QA/QC of all survey work. Bradley originally managed SJB Group's portion of the Survey, and is now serving as principal-in-charge for any ongoing or new work Forte and Tablada is tasked with.
11/19-12/20	LADOTD Calcasieu River Bridge Investigation, Calcasieu Parish, Louisiana Surveyor to provide mobile LiDAR scanning services for the I-10/Lake Calcasieu bridge in Lake Charles. Terrestrial scans were done underneath the bridge for 10 spans on the east and west side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile LiDAR was done for future planning.
12/19-11/20	LADOTD US 190: LA 437 - US 190 (BUS), Louisiana Surveyor-in-charge for the property survey, title take-offs and right of way map. This project was for the construction of improvements along US 190 from La 437 to US 190 (BUS). The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LADOTD specifications, for acquisition of parcels required for construction.
1/21-4/23	LADOTD LA 327 Spur: Staring Lane Extension, East Baton Rouge Parish, LA (4400010587- Task Orders 1 and 16; 4400021974- Task Order 5) Principal-in-charge for a topographic survey and drainage map for this project, being approximately 1.5 miles long, in between the intersections of LA 42 (Burbank Dr.) and Staring Ln. and LA 327 (Gardere Ln.) and LA 30. Terrestrial LiDAR was utilized on all busy roadways as a means to obtaining topographic data without endangering surveyors. He also served as the principal-in-charge for property surveys, establishing existing property lines and title take-offs for LADOTD.
1/21-12/22	LADOTD Calcasieu River Bridge (HBI), Calcasieu Parish, Louisiana (4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4) Principal-in-charge for this project providing topographic survey and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. Forte and Tablada completed mobile LiDAR scanning services for much of the corridor as a means of obtaining topographic data without endangering surveyors. The survey also included Multibeam Hydrographic survey of Lake Charles, and terrestrial LiDAR scanning of bridge substructures. 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. Principal-in-charge for the boundary surveys and title take-offs for the railroad realignment of this project.

16. Staff Experience

Firm employed by: 



Name	TJ Beau Stokes, PE	Years of relevant experience with this employer	3
Title	Utility Engineering Lead Professional, Practice Leader - Transportation	Years of relevant experience with other employer(s)	12

Degree(s) / Years / Specialization	BS / 2009 / Industrial Engineering
Active registration number / state / expiration date	PE: #40079 / LA / 03-31-2026

Year registered	2015	Discipline	Industrial
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Contract role(s) / brief description of responsibilities
 Subsurface Utility Eng Task Lead
Minimum Personnel Requirement 8

TJ has over 15 years of experience in successfully managing numerous SUE projects specializing in transportation and roadway projects. As the Lead Professional for Utility Engineering, he is currently overseeing the completion of DOTD and MDOT retainer contracts along with numerous other public and private client projects. He has thorough knowledge of the Subsurface Utility Engineering standards listed in CI/ASCE Standard 38-22 and is familiar with all SUE technologies and equipment, including but not limited to, ground penetrating radar (GPR), hydro/air vacuum excavation, and numerous other types of geophysical locating equipment.

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).
03/21-03/24	LADOTD SUE Services IDIQ, Statewide, Louisiana Principal/project manager on various projects throughout the state. TJ performed project reviews on all technical tasks and coordination with the appropriate staff including surveyors, CAD designers, and field staff/crews. He coordinated and attended utility meetings to manage projects with utility companies. He coordinated SUE presentations and prepared updates and phased deliverables, as well as reviewed permits, contracts, daily time sheets, invoices, and financials. TJ performed QA/QC methodology reviews, conducted weekly SUE meetings and project milestone reviews, as well as coordinated property access and pipeline locations meetings, and conducted DOTD ITS conflict meetings.
03/21-03/24	LADOTD Calcasieu River Bridge (HBI), Calcasieu Parish, Louisiana Project manager/engineer-of-record who was responsible for all SUE and utility coordination. Oversaw all Quality Level B and Quality Level A SUE services and performed QA/QC on the topographic survey submitted to LADOTD to ensure compliance with ASCE 38-02. Reviewed all utility coordination procedures including conflict matrix and conflict plan creation.
10/21-03/22	LADOTD Southern University Ravine Protection, East Baton Rouge Parish, Louisiana Contract administrator/engineer-of-record who was responsible for all SUE Quality Level B and Quality Level C services and performed QA/QC on the topographic survey submitted to LADOTD to ensure compliance with ASCE 38-02. Ensured all work was completed within the truncated time frame.
11/21-02/22	LADOTD LA 1270: LA 77 to End of Control Section, Iberville Parish, Louisiana Contract administrator/engineer-of-record who was responsible for all SUE Quality Level B services and performed QA/QC on the topographic survey performed by LADOTD to ensure compliance with ASCE 38-02. LADOTD location and survey field staff performed the topographic survey and we ensured a smooth working environment for data collection.
03/21-Ongoing	I-55 Widening Church to Goodman, Statewide, Mississippi SUE lead professional who is performing SUE services requested from Quality Levels D-A which determine the actual location of existing utilities. Also performed utility coordination during design and construction for the relocation of existing utilities.

TJ Stokes

05/18-11/18	I-10/Loyola Ave. Interchange Improvements, Jefferson Parish, Louisiana Engineer in responsible charge who performed SUE and utility surveying for the design of an overpass connector for the interchange of Loyola and I-10 in New Orleans providing additional access to the New Orleans Airport. ASCE 38-02 QL B services were provided throughout the project's path and all associated surveying included above ground utility lines and features. The project area was highly congested with numerous owners and facilities throughout the area. GPR was utilized to locate the facilities correctly because the age of many of the sewer and water utilities rendered pipe and cable locators ineffective. Numerous communication duct banks along Loyola and Veterans were located which eliminated the expense of relocating these duct banks. This project was on a fast-pace due to the airport construction progress and was completed within six months.
01/18-03/19	I-10 (LA 415 to Essen Lane) SUE, East Baton Rouge and West Baton Rouge Parishes, Louisiana Engineer in responsible charge who performed SUE to aid in the proposed widening of I-10 from LA 415 to Essen Lane in both East Baton Rouge and West Baton Rouge Parishes. The project required ASCE 38-02 QL B services throughout the entire project path. QA/QC was also provided on the final survey to review the utility data and provide a report certifying the depiction of the utility data and information. This was one of the largest SUE projects ever undertaken in Louisiana based on its size and congestion of underground utilities. The project site was encumbered by numerous pipelines which posed a considerable cost to relocate, making an accurate location on all of the pipelines critical. The horizontal location of all utilities within the project path were determined using geophysical equipment to provide accurate data on depth and location. TJ coordinated with multiple survey firms to ensure accurate representation of utility information.
05/23-11/23	Ascension Parish Government, Move Ascension, LA 44 and Parker Roundabout, Subsurface Utility Engineering, Ascension Parish, Louisiana Lead surveyor who provided SUE for the LA 44 and Parker roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
07/22-01/23	Move Ascension Bluff Road, LA 73 Connector, Ascension Parish Government, Ascension Parish, Louisiana Project manager who provided SUE for the Bluff Road - LA 73 Connector project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.

16. Staff Experience

Firm employed by: **HNTB**



Name	Brian Alan Powell, PE	Years of relevant experience with this employer	22
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 PE: #41551 / LA / 09-30-2025

Year registered 2017 Discipline Civil

Contract role(s) / brief description of responsibilities Geotechnical Engineering Task Lead
Minimum Personnel Requirement 9

Brian's 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. He is also experienced in directing geotechnical subsurface investigations, ordering laboratory testing, managing and mentoring project staff, preparing and reviewing reports, plans and specifications, evaluating alternatives and performing construction monitoring and materials 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).

08/15-Ongoing **LADOTD LA 1 Leeville to Golden Meadow Phase 2, Leeville, Louisiana** Geotechnical task lead who oversaw design for Phase 2 reinforced concrete pile supported T-wall flood wall design and construction stage pile driving oversight. The overall project includes the construction of nine miles of bridge supported on precast prestressed square 18" and 30" concrete piles from Leeville to Golden Meadow and a 300-foot flood wall at the Larose to Golden Meadow levee system that required a 408-permit with the USACE. Geotechnical tasks included T-wall-type flood wall design and H-pile foundation support, seepage cutoff, and global stability analyses according to USACE Hurricane Storm Damage and Risk Reduction System design guidelines with a 3D settlement analysis to estimate flood wall subsidence. Brian is currently overseeing static and dynamic load testing, including a team of three pile dynamic analyzer staff and static load test subconsultant for phases 2A, 2B, 2C, and 2E that includes nearly 600 load tests for approximately 100 miles of piling.

01/20-Ongoing **LADOTD I-10-Loyola Interchange DB OV, Jefferson Parish, Louisiana** Senior geotechnical contributor 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 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 **LADOTD LA 23 Belle Chasse Bridge and Tunnel Replacement 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.

07/18-04/19 **LADOTD US 90 over LA-14 Bridge Reconstruction, Iberia Parish, Louisiana** Geotechnical engineer on the replacement of US 90 over LA 14 that included drilled shaft construction and MSE walls. The proposed two span bridge will carry US 90 traffic and is designed to be supported on drilled shaft foundations with Mechanically Stabilized Earth (MSE) walls at the approach embankments. Brian's 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 **LADOTD 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.

Brian Powell

06/12-Ongoing	LADOTD I-10 Calcasieu River Bridge EIS, Lake Charles, Louisiana Geotechnical lead whose responsibilities included evaluating reuse of bridge foundations and newly constructed traditional and non-traditional foundation types for all bridge structures being replaced within the study limits. Alternatives include deep foundations, deep foundations used at intermediate depths, shallow compensated or floating foundations, timber pile reuse, and deep foundation supported load platforms for bridge approaches. Focus was on elevated interchanges and developing geotechnical design solutions to reduce the risk of negative impacts from hazardous chemicals present in the foundation soils. Current efforts include evaluating geotechnical considerations for bridges and approaches associated with at-grade infrastructure so that the final solution ensures traffic and safety improvements.
07/18-04/19	LADOTD 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.
02/20-Ongoing	East Baton Rouge City-Parish MOVEBR New Capacity Improvements Projects, East Baton Rouge City-Parish, Louisiana Senior geotechnical engineer who is responsible for technical oversight for 40 planned MOVEBR roadway improvement projects including providing additional capacity on existing routes or new routes through green fields in East Baton Rouge Parish. He was responsible for developing project geotechnical and pavement design guidelines in accordance with LADOTD requirements, review of scope and fee for design proposals, and review of technical geotechnical and pavement submittals for conformance with program design criteria for development of construction documents.
02/19-12/19	MDOT US 80 Bridge Replacement Over The Kansas City Southern Railroad, Rankin County, Mississippi Geotechnical engineer for this project which 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. Brian's geotechnical engineering tasks included 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.
10/18-05/19	LADOTD LA 15 Over Boeuf River Bridge Replacement, Richland Parish, Louisiana Geotechnical engineer for this off-alignment bridge replacement. His geotechnical tasks included foundation design using precast, pre-stressed concrete piles, drivability, seismic evaluation, approach embankment settlement calculations, and slope stability.
01/18-10/18	Mississippi DOT I-20 Eastbound Bridge at I-55 South, Hinds County, Mississippi Geotechnical engineer who was 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.
02/12-06/12	TXDOT I-30/I-35E (Horseshoe) Interchange, Dallas, Texas Geotechnical engineer who was responsible for performing levee seepage and global stability, drilled shaft foundation, and MSE retaining wall stability analyses that including rammed aggregate pier foundation design due to the significant wall heights that were proposed. A geotechnical report was prepared detailing the analyses and design recommendations for the I-35 proposed bridges, retaining walls, and for the USACE Forth Worth District 408 permit. This project involved reconstruction of the most complex, urban multi-level interchange in the Dallas metroplex, estimated at \$700M. HNTB completed the 30% PS&E, compiled schematics, conceptual TCPs, bridge layouts and estimates to support the development of DB procurement documents.

16. Staff Experience			
Firm employed by: 			
Name	Megan G. Bourgeois, PE	Years of relevant experience with this employer	18
Title	Project Manager/Assistant Branch Manager	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering	
Active registration number / state / expiration date		PE: #36725 / LA / 03-31-2026	
Year registered	2011	Discipline	Civil
Contract role(s) / brief description of responsibilities		Geotechnical Engineering Minimum Personnel Requirement 9	
<p>Megan has more than more than 14 years of experience with shallow foundation design, embankment settlement analysis, pile and drilled shaft foundation analysis, LRFD design, slope stability (embankment and excavation), pipeline and pump station recommendations, geotechnical instrumentation, installation and monitoring, and construction phase testing and laboratory management. She has managed numerous geotechnical investigations and design evaluations, managed laboratory testing programs, while also serving as Ardaman's program manager for many LADOTD projects for bridges and roadways throughout Louisiana. She also serves as the director of our geotechnical engineering laboratory in Baton Rouge. In this role, she supervises the laboratory manager, 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.</p>			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
10/09-Ongoing	<p>LADOTD I-20 Mississippi River Bridge Review, Vicksburg, Mississippi Project manager for this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. She managed a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3D 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 for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing planes, stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation 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, and developed technically feasible solutions. She co-authored the geotechnical analysis and design report. Currently, she is managing a phase of the project that included upgrading the entire instrumentation communication system and will be monitoring this system continuously.</p>		
10/18- 06/21	<p>LADOTD Chef Menteur Pass Bridge & Approach, Orleans Parish, Louisiana Project manager who oversaw all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Megan also managed laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.</p>		
04/21-Ongoing	<p>LADOTD Rural Bridge Initiative Phase 2, 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, mainly over small rivers and creeks.</p>		



Megan Bourgeois

07/21-Ongoing	LADOTD LA 415 To Essen Lane I-10 & I-12 (CMAR): Baton Rouge Parish, Louisiana Leads technical reviews 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 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.
07/21-01/22	LADOTD I-10 Calcasieu River Bridge, Calcasieu Parish, Louisiana Project manager who managed the aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity 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. Megan also managed and oversaw the laboratory testing program, processing and analyzing of the ECPT and ER data. She 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.
03/19-07/20	LADOTDI-10 Widening (LA 415 To Howard St): East Baton Rouge Parish, Louisiana Project manager who managed the aspects of the geotechnical investigation in support of the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity imaging along the entire alignment, laboratory testing and the preparation of a geotechnical data report.
12/12- Ongoing	LADOTD I-10 Widening LA 73 to LA 30, Ascension Parish, Louisiana Project manager who managed the aspects of the project that include field investigations consisting of 13 deep soil borings and 26 shallow soil borings, laboratory testing, and engineering design in support of the widening of the East and Westbound lanes and elevated structures along I-10 between LA 73 and LA 30 spanning approximately 5 miles. Megan performed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, and pavement section recommendations; all completed according to LADOTD standards.

16. Staff Experience

Firm employed by: **HNTB**



Name	Lesley Vance "Van" Short, PE, PTOE, RSP1	Years of relevant experience with this employer	17
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		
Year registered	1994	Discipline	Civil
Contract role(s) / brief description of responsibilities	Design & Peer Reviews; Roadway Design Minimum Personnel Requirement 10		

Van is a project manager with experience in a wide variety of highway design and transportation studies, including feasibility studies, design and reconstruction, PS&E, DB and utility coordination. He worked for TxDOT for six years in the Tyler and Dallas districts and has vast experience in designing projects in accordance to multiple state and federal specifications. His project management experience includes roadway schematics, off-system bridges, urban highway widenings, multi-level interchanges, multi-lane freeways and an interstate rest area.

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).
12/13-10/14	TxDOT El Paso I-10/LP 375/BWE C/D Lanes (GO 10) 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 (C/D) lanes with an approximate construction cost of \$163M. Van and his team identified refinements in the schematic that saved enough construction cost for TxDOT El Paso District to remain within the budget. The project included seven bridge widenings, two direct connectors and 16 new bridges. The construction plans were completed in 10 months.
06/21-05/24	Arkansas DOT, Hwy. 612 Springdale Bypass PS&E, Benton County, Arkansas Deputy project manager for the 4.4-mile new location freeway with a full directional interchange at I-45 and diamond-loop interchanges at Dixieland Road, Hwy. 71B and Hwy. 265. The project includes 20 bridges and numerous retaining walls. The bypass bridges over a railroad crossing and over one stream crossing. Sequence of construction includes constructing the Springdale Bypass under the existing I-45 mainlanes while maintaining traffic at all times on the interstate. Includes rerouting a portion of the Razorback Greenway Trail Shared Use Path. Updated the previously approved Interchange Justification Report for the latest project conditions. The estimated construction cost is \$85M.
05/23-05/24	TxDOT El Paso District, I- 10 Safety Rest Area PS&E, Hudspeth County, Texas Project manager for a new location safety rest area PS&E project. Included four new entrance and exit ramps, car and truck roads, parking lots, two bridge class culverts, two detention ponds and storm sewer. Extensive coordination was performed with the architect who designed the rest area facilities buildings. The total project length was approximately 2.8 miles. The estimated construction cost is \$35M.
10/22-05/24	TxDOT Bryan District, FM 1179 PS&E Easterling Road to FM 158, Brazos County, Texas Project manager for widening an existing two-lane rural highway to a five-lane urban curb and gutter section. Included three roundabout intersections, traffic signals, retaining walls and storm sewer. The total project length was approximately 3.6 miles. The estimated construction cost is \$28M.
10/22-05/24	Arkansas DOT, Safety Studies for Rural Intersections, Districts 3, 6 and 7 Project manager for the master contract and deputy project manager for this first task order to screen 300 rural intersections and develop low-cost counter measures for 75 intersections. The design team developed PS&E construction plans for the 75 intersections.

Lesley Vance Short

06/22-05/24	Arkansas DOT, Pavement Preservation PS&E Projects, Various Project Sites, Arkansas Deputy project manager for nine PS&E pavement preservation projects which included upgraded guardrail, bridge deck repair and overlays. The estimated construction costs were a combined \$53M.
10/20-10/21	TxDOT El Paso District, SH 20 - FM 1281 Safety Improvement Project, El Paso County, Texas Project manager for this safety improvement project to add raised concrete medians, illumination, concrete barrier, sidewalks, pedestrian signals and pavement marking. The total project length was approximately 18.1 miles
07/18-05/24	TxDOT Bryan District, FM 60 University Drive Feasibility Study, Brazos County, Texas Project manager for this feasibility study to develop feasible alternatives to address future traffic congestion for FM 60 adjacent to Texas A&M University. Considered alternatives included a depressed roadway concept and bicycle/pedestrian crossings under and over FM 60. Since this portion of FM 60 is located between Texas A&M University and Northgate Shopping District, innovative concepts were developed to address the interests of these unique stakeholders. The total project length was approximately 1 mile. Since 2018, the Bryan District has continuously utilized work authorizations to perform various studies and alternatives renderings.
02/20-04/21	Williamson County, Ronald Reagan Boulevard Corridor D Schematic, Williamson County, Texas Deputy project manager for this new location, 11-mile freeway with frontage roads and two full directional interchanges, one at I-35 and another at SH 95. The project included one railroad crossing and several stream crossings. Interim and ultimate roadway configurations were studied, along with interfacing with the County's Long Range Transportation roadways intersecting the project. The estimated construction costs were \$150M.
01/16-04/17	TxDOT Austin, Mobility35 - I-35 GEC, Austin, Texas Engineering technical lead for this GEC contract. Also served as the project coordinator for three PS&E projects with an estimated construction cost of \$85M.
08/12-08/13	TxDOT Austin 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. In this role, Van 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.
07/08-09/09	TxDOT Austin, 290E Tolloed Interchange at US 290 & US 183, Austin, Texas Project manager for this PS&E project to construct four tolled direct connector bridges over an existing interchange in accordance to TxDOT standards with an estimated construction cost of approximately \$80M. Construction costs were reduced by utilizing existing bridge column foundations that were originally designed for one-lane direct connectors, modifying them to support proposed bridge columns for two-lane direct connectors. Bridge spans were of continuous steel I-girders and prestressed concrete beams. Structural components adhered to the structural aesthetics guidelines of the overall Manor Expressway for context-sensitive design. A 10-foot shared use path for bicycles and pedestrians was included and connected to an adjacent project. The design included coordination with toll facility designers to integrate two toll plazas designed by others into the roadway design and construction plans.
01/02-12/04	TxDOT Austin, SH 130 from Seguin to Georgetown DB, Sequin, Texas Roadway design manager for Lone Star Infrastructure. Managed this 45-mile toll road DB project with frontage roads on new location with an estimated construction cost of \$800M. The project included five major interchanges and a crossing over the San Gabriel River. Van led a peak roadway design staff of approximately 65 engineers and designers to produce design for an ultimate condition schematic, interim condition schematic, grading and drainage plans, 100% complete plans and construction phase services.
10/06-08/07	TxDOT San Antonio, I-35 Northbound Ramps Schematic and PS&E, San Antonio, Texas Project manager for this 1.5-mile interstate schematic and PS&E project. The design consisted of reversing two ramps and the addition of a 1,300-foot direct connector to I-35. Created aesthetics layouts and concept plans for all structures, retaining walls and the Walzem intersection in accordance to the District's aesthetics standards. Structures design included the widening of two existing I-35 bridges over traffic with steel girder spans. The estimated construction cost was \$10M.

16. Staff Experience

Firm employed by: 



Name	Dishili Shawon Young, PE, PTOE	Years of relevant experience with this employer	7
Title	Vice President/Engineering Manager	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	MS / 2018 / Civil Engineering BS / 2002 / Civil Engineering		
Active registration number / state / expiration date	PE: #33723 / LA / 09-30-2024		
Year registered	2008	Discipline	Civil
Contract role(s) / brief description of responsibilities	Road Design Task Lead; Plan Development Minimum Personnel Requirement 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).		
04/23-Ongoing	LADOTD Jimmie Davis DB, Bossier and Caddo Parishes, Louisiana Engineer who is assisting with design-related tasks. Managing the roadway drainage design, and the scour analysis, attends team technical meetings and meetings with LADOTD. Also providing QA/QC. She also assisted with the proposal preparation, attended one-on-one meetings, and assisted with the technical writing for the proposal. This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway.		
08/20-Ongoing	LADOTD I-10/I-12 at College Drive Flyover Ramp DB, Baton Rouge, Louisiana Engineer who is assisting with Quality Control Reviews for the roadway design, roadway drainage H&H and temporary striping and signing plans. The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB through lanes from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard.		
02/10-12/11	LADOTD I-10 Widening DB Siegen Lane (LA Hwy 3246) to Highland Road (LA Hwy 74), East Baton Rouge, Louisiana Engineer who managed portions of the roadway and drainage design for this project. Completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor. This project involved the widening of I-10 from four lanes to six, bridge reconstruction (I-10 over Wards Creek and I-10 over KCS Bridge), and drainage improvements along the corridor.		
01/09-11/11	LADOTD I-12 Widening DB (O'Neal Lane to Pete's Highway) Engineer for this project which involved the roadway widening of I-12 and bridge reconstruction (I-12 over Amite River (two bridges) and I-12 over O'Neal Lane (two bridges)). In addition to assisting with the roadway design, Dishili assisted with the scour analysis and H&H analysis at the Amite River as well as the drainage design along the interstate corridor.		
10/23-Ongoing	West Alabama Highway Progressive DB Project, Alabama Assisting with the quality control reviews for the roadway design and roadway drainage. This project will replace an existing 2-lane 100-mile roadway corridor with a 4-lane roadway along highway 43 and 69 from Thomasville to Tuscaloosa. NSI is currently completing the roadway design roadway drainage, bridge design & H&H for bridges for Segments 1, 2, 3, 9, 10, 11 & 12.		
01/20-Ongoing	I-20: LA 544 Overpass Replacement, Louisiana Project manager for the preliminary and final design services for this project which will replace the LA 544 Overpass diamond interchange with a diamond roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multilane roundabouts within a roundabout interchange with two roundabouts on a 3% longitudinal grade & partially on bridge. The project also includes a level 2 TMP.		

Dishili Young

04/18-Ongoing	I-49 South at Verot School Road, Louisiana Design manager for the interstate design and service road design (drainage, preliminary and final road design and TMP). This project will construct 2.4 miles of mainline freeway, bridges and an interchange at the intersection of I-49 South/US 90 and Verot School Road. This project includes the design of a major bridge crossing at Verot Rd. and I-49 and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. As a subconsultant for this project, NSI is designing the interstate mainline and frontage roadways, as well as, designing the drainage along these corridors. NSI is also completing the traffic design and level 3 TMP.
09/18-12/18	I-20 at 220 Interchange Improvement & BAFB DB Project Design manager for this project which included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad.
07/22-Ongoing	LADOTD IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62) Project manager and QA/QC for this project provides safety improvements for several parishes within three Districts. The 11 projects included under this contract include tasks such as Stage 0 Feasibility Studies, planning/environmental, design and construction related engineering.
08/17-03/19	Juban Road Widening, Louisiana Engineer of record and managed the completion of the roadway and drainage design services for this project which will widen LA 1026 (Juban Rd.), construct three multilane roundabouts and two new frontage access roadways, with storm drainage sewer systems.
08/17-Ongoing	LA 1088 and US 90 Mandeville Bypass, Mandeville, Louisiana Roadway design manager for this project which will provide a new 3-mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. The project also includes multiple multilane roundabouts.
12/14-08/17	LA 447 Corridor Study, Walker, (LA 16 to US 190), Louisiana Assisted with the geometric design for the R-Cut and roundabout improvements, public outreach and served as project manager and road design lead for the EA. The project includes multilane roundabouts.
12/17-07/20	Southcity Parkway Extension, Lafayette, Louisiana Manager for the roadway, bridge hydraulics, no-rise certification, and roadway drainage design effort for this project. NSI provided public outreach, environmental, road design and traffic services. This project constructs a 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multilane roundabout intersections and a new bridge crossing of the Vermillion River. The roadway and drainage design are being completed in conformance with LADOTD guidelines.
10/13-2/16	I-10 LA 30 Stage 0, Gonzales, Louisiana Project manager for line and grade geometry, public outreach considered 21 interchange types for new interchange concepts at I-10 at LA 30, as well as corridor improvements between LA 3251 and LA 44. CRPC Travel Demand Model used with consideration of future interchanges at I-10 and LA 74 and LA 429. The concepts utilized in this study served as the base geometry for the preliminary plans. The project includes a multilane roundabout interchange.
01/02-10/07	St. Charles Parish Department of Public Works and Wastewater Program Manager, Louisiana Managed all design and construction projects for both departments. Oversaw highway projects, various drainage projects and H&H studies, levee projects, subdivision plans, pump stations and more on behalf of the Parish through the design, bidding and construction phases. Her duties included but were not limited to QA/QC of designs and studies, financial management and tracing of the program and project funding, grant applications, communication and coordination with the public, elected officials, agencies and more.

16. Staff Experience			
Firm employed by: HNTB			
Name	Steven Thomas Hague, PE, SE	Years of relevant experience with this employer	37
Title	Program Manager	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		ME / 1982 / Civil Engineering BS / 1981 / Civil Engineering	
Active registration number / state / expiration date		PE: # 28414 / LA / 09-30-2025	
Year registered	1999	Discipline	Civil, Structural
Contract role(s) / brief description of responsibilities		Design and Peer Reviews; Bridge Design Minimum Personnel Requirement 11	
Steve serves as project manager and bridge task leader for complex bridges throughout the US. In his over 40 years of experience, he has become a SME 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. He 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.			
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).		
07/20-12/22	TxDOT I-20, Odessa, Texas Senior technical advisor for bridges on this 9-mile interstate reconstruction and widening project. The project includes two railroad grade separations, six roadway grade separations (one of which was a widening), an at-grade railroad crossing and conversion of frontage roads from two-way to one-way operations. This \$250M construction project required coordination with adjacent segment engineers as well as a GEC corridor engineer.		
12/16-Ongoing	Ohio DOT SUM-8-1.75 Bridge over the Cuyahoga River Valley, Akron, Ohio Project task lead responsible for the design of this \$157M replacement bridge for the existing steel deck truss and approach spans. The twin bridges carry SR 8 southbound and northbound over the Little Cuyahoga River, Pennsylvania and Ohio Canal, North Street, and multiple railroads. The existing steel deck truss is three spans with a total length of approximately, 1,000 feet. The bridge deck currently sits approximately 70 feet above the valley below. Due to the bridge height, the Incremental Launching Method (ILM) was specified for construction. The bridge will be replaced while maintaining six lanes of traffic by constructing a new southbound bridge to the west of the existing bridge. It will be wide enough to accommodate six lanes while building the northbound bridge. HNTB, as a subconsultant, is providing value engineering as well as ILM study, constructability and peer review for the bridge and the maintenance of traffic.		
12/15-11/16	TxDOT US 281 Extension, San Antonio, Texas Bridge and geotechnical engineering task leader for the reconstruction of 3.8 miles of US 281 in San Antonio, Texas. The project includes four direct connector ramps to complete the northern half of a five-level interchange, four stream crossing bridges and 10 grade-separation structures. Included in the structural tasks are the design of numerous cast-in-place detention ponds.		
01/09-01/11	Ohio DOT I-90 Innerbelt Bridge DB, Cleveland, Ohio Chief bridge engineer for the first major construction project of the Cleveland Innerbelt Program. The Walsh/HNTB DB team designed and constructed a new bridge over the Cuyahoga River Valley on I-90 that will accommodate six lanes of bi-directional traffic on opening day and five lanes of traffic westbound following future Innerbelt Construction Contracts. This was ODOT's first major DB project and the most important project in Cleveland. Work included approach pavement and structures, bridge deck replacement and bridge rehabilitations, removals, earthwork, pavements, landscaping, sidewalks, drainage facilities, utilities, waterlines, walls, traffic control, lighting and aesthetic enhancements for the completion of the facility.		



Steve Hague

<p>01/07-01/10</p>	<p>Missouri DOT Stan Musial Veterans Memorial Bridge (I-70) over the Mississippi River, St. Louis, Missouri Project manager for the design of a new four-lane crossing of the Mississippi River near downtown St. Louis. This project was the first new bridge connecting downtown St. Louis and southwestern Illinois in more than 40 years and was planned to relieve congestion on the Poplar Street Bridge. This \$265M project was part of an overall \$640M program and included a 1,500-foot, main-span cable-stayed bridge and approaches on either side. The bridge was initially designed to carry four lanes of traffic; however, if required by future demands, the bridge may be re-striped to carry six lanes while MoDOT plans a parallel structure immediately downstream. The bridge was designed for a 2,500-year return period earthquake event in the New Madrid Seismic Zone for AASHTO Site Class F soils and for vessel allision forces in the Mississippi River. Steve's responsibilities included managing a design team comprised of 15 consulting firms in three different locations, as well as coordination between MoDOT and two additional consultants for adjoining projects. He was also responsible for the final technical review and approval for all aspects of the project from the design criteria document to final plan submittal, recommendations for foundation, substructure and superstructure types; key decisions with respect to structural design; review and approval of contractor-submitted design-phase alternative technical concepts (ATCs); USCG, USACE and FAA permits; geotechnical investigation plan and engineering; site-specific seismology and seismic hazard assessment. The project was designed for HL-93 loads in accordance with AASHTO LRFD Bridge Design Specifications and the first edition of the AASHTO Guide Specifications for LRFD Seismic Bridge Design.</p>
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16. Staff Experience

Firm employed by: **HNTB**



Name	Gay Knipper	Years of relevant experience with this employer	7
Title	Complex Projects Practice Leader, Executive Project Manager, Senior Vice President,	Years of relevant experience with other employer(s)	34
Degree(s) / Years / Specialization		MBA / 2001 / Business Administration BA / 1981 / Mathematics	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA

Contract role(s) / brief description of responsibilities Project/Program Management & Other Support Services Group Director; Program Management

Gay has been responsible for all aspects of strategy, management, administration and financial control on several multi-billion dollar, multi-site design/build, design, construction and program management projects, including program management for Bay Area Rapid Transit (BART), Washington Metropolitan Area Transit Authority (WMATA), the State of Georgia MMIP, California High-Speed Rail Program, and Louisiana TIMED Program Management Assignment. She is a national resource and provides firmwide leadership and guidance in complex projects integrating strategic advising with project management for large-scale projects. Her experience encompasses diversified complex project management, funding and financial strategies and compliance and control activities and implementation strategies on multi-disciplinary projects requiring coordination among agencies and communities, strategic planning and risk management, complex commercial structures, procurement and contracting mechanisms; funding and financing elements, program and project controls, design/construction schedules and budgets; environmental, design and construction management, training programs; quality control programs; and diversity, equity and inclusion policy integration.

Experience dates (mm/yy-mm/yy) **Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).**

04/24-Ongoing **LADOTD I-10 Calcasieu River Bridge (HBI), P3 OV Team, Calcasieu Parish, Louisiana** OV project manager for this P3 project that will reconstruct the Calcasieu River Bridge and the interstate mainline within the P3 project limits, and reconfigure segment of LA 378 (Sampson Street) from I-10 to Sulphur Avenue. Gay leads the OV team to provide support to the LADOTD in managing the P3 contract. She leads the team’s efforts to provide contract administration, design support services, LADOTD liaison services both internal and with external stakeholders, partnering and dispute resolution. The team will provide construction support services with respect to project oversight and acceptance and project closeout.

12/23-Ongoing **Tennessee DOT, Alternative Delivery GEC, Statewide, Tennessee** Program director who leads the team in supporting TDOT with project management for its first P3 project – all phases and elements from planning, development and procurement support necessary for the implementation of P3 delivery of Choice Lanes for Tennessee. Gay leads the HNTB team to support TDOT to develop and release its first fiscally constrained 10-year project plan in December 2023. The legislature passed the landmark Transportation Modernization Act in April 2023. The law allows TDOT to enter into P3s to deliver Choice Lanes, and expands alternative delivery capabilities.

09/20-Ongoing **SANDAG, P3 Central Mobility Hub and Connections (CMH) P3, San Diego, California** Program manager responsible for HNTB’s strategic advisory expertise into the holistic delivery of a full suite of program management to serve the needs of the program throughout its life cycle – from the support of the P3 procurement elements, innovative delivery options analysis, innovative financing options analysis, commercial structuring, assistance with real estate market analysis, evaluating project feasibility, program and project controls, consultant coordination and technical support. In this role, HNTB will oversee a range of other consultants and contractors providing planning, environmental, engineering and construction services. The CMH program is one of SANDAG’s most complex and strategic innovative delivery initiatives. The project concept for the program includes the following elements: a state of the art transportation center including connections to various transportation modes and future transport options, an airport connector from the Central Mobility Hub to San Diego Airport and potentially a commercial development at the location of the CMH.

Gay Knipper

05/17-07/19	<p>Georgia DOT MMIP Strategic Program Plan PMC, Atlanta, Georgia Stand-up officer whose primary responsibility is the development and delivery of the Strategic Program Plan for the MMIP, the DB program and P3 program of projects valued at over \$11B. As the foundation for a high-performing team, Strategic Program Plan is the tool to communicate the building blocks for clear communication, defined expectations and accountability of quality, scope, schedule, and budget, establishing roles and responsibilities, streamlining processes and ultimately accelerating the program.</p>
06/02-06/13	<p>Louisiana Transportation Infrastructure for Economic Development (TIMED) Program Management, Statewide, Louisiana Program director responsible for all aspects of managing and delivering the \$5B TIMED Program, accelerating delivery by 20+ years through bond financing. The program included two Mississippi River Bridge Crossings: John James Audubon Bridge (JJA), which was the longest cable-stayed bridge in the United States when built, and Huey P. Long Bridge Widening, a \$1.2 B widening of the existing bridge constructed in 1935. In addition, JJA procurement was the first DB project for the Louisiana DOT. As the program manager, supported the procurement from policy through selection through project completion. The Huey P. Long Bridge is owned by the New Orleans Public Belt Railroad. The widening included improved approaches that required additional right of way (ROW) acquisition and coordination with third parties. As program manager, Gay was responsible for the financial management of the entire program and for management of a range of services including design management, right-of-way acquisition and relocation, utility relocation and construction engineering and inspection on projects. The financial management included preparation of an annual feasibility report that evaluated the main factors that influenced feasibility: updated cost estimates, interest expense, revenues and state fiscal policy, developed a financial management system and reporting to provide confidence to the leadership, industry and markets on LADOTD delivery certainty. In addition, Gay provided a robust communications strategy and communications and public outreach support through continuous interaction with stakeholders throughout the life cycle of delivery (planning, design, construction and turnover, development of GIS and graphical interface tools, multi-dimensional scheduling tools and reporting transparency) with reports developed to suit the respective consumer. She also provided additional innovation to expedite environmental permitting through proactive engagement with the permitting agencies, accelerated ROW acquisition through coordination across functional disciplines and communities, regular technical innovation sessions to drive value and reduce costs. She was responsible for the Program Strategy Manual, alignment of LADOTD, PMC, designers and contractors and implementation of performance-based fee, targeting acceleration of schedule and meeting budget goals. Responsible for maintaining and implementing the risk management model for the program. Additionally, she was responsible for developing and maintaining joint venture policies and procedures for all aspects of project delivery including QA/QC, financial and contractual management.</p>
01/18-Ongoing	<p>Valley Transportation Authority (VTA) - BART to Silicon Valley Extension Phase 2-PMC, San Francisco, California Executive advisor to the team with a focus on addressing the organizational management requirements for a complex team of delivery partners including VTA, the ultimate owner (BART), PMC, GEC, consultants, contractor, project implementation, project controls and reporting and risk management and mitigation related to progressive DB with FTA oversight and funding. HNTB is providing program management services for the BART Silicon Valley Extension, which provides BART service to Santa Clara County for the first time. Phase 2 of the multi-billion dollar program will consist of a 6-mile extension through downtown San Jose and terminate in Santa Clara and will include a 5-mile single bore tunnel and three underground stations. HNTB's scope of work includes program management, engineering management services, project controls, project management, conceptual engineering, procurement/contracting strategies and guidance on aligning the project for federal funding. HNTB also has provided critical solution implementations and consulting around the long-term sustainability of them within VTA's enterprise architecture. These have included Business Intelligence Platform; Web-First GIS Services/Real Estate Management System; BIM Implementation Toolkit and Program Oversight; and Virtual Public Involvement/Stakeholder Management.</p>

16. Staff Experience

Firm employed by: **HNTB**



Name	Josh Porter, PE	Years of relevant experience with this employer	8
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	PE: #39513 / LA / 09-30-2025		
Year registered	2015	Discipline	Civil
Contract role(s) / brief description of responsibilities	Pre-Construction and Construction Support Services Group Director; Bridge Design Task Lead; Plan Development & Letting Support Task Lead		

Josh has extensive experience in project management and delivery of multi-discipline LADOTD projects which include bridge design and rehabilitation, roadway and drainage work, railroad relocation, temporary traffic control, geotechnical exploration and design, and survey. He has experience leading the development of preliminary and final plans, being the point of contact for construction related engineering services, answering contractor questions and RFIs, developing cost estimates for a wide variety of projects, participating in value engineering studies, and leading various evaluation studies. He has 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-Ongoing	LADOTD I-10 Calcasieu River Bridge Replacement Early Works Package, Calcasieu Parish, Louisiana Project manager on this 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 P3 for the replacement structure, several obstacles were identified that would need to be addressed that were outside of the approved scope of the P3. This included rehabilitation of the existing bridge to extend the service life of the existing structure until the replacement was complete, the relocation of a railroad spur shared by CPKC Railroad (formerly Kansas City Southern) and Union Pacific Railroad, and the addition of a temporary structure to facilitate the relocation of an existing pipe rack. As the project manager, Josh was responsible for coordinating efforts between the task leads including the structures design team, the railroad design team, the roadway design team, a drainage study and design team, a traffic study team, a survey subconsultant, a geotechnical testing subconsultant, and coordinating with the pipe-line owners.
02/22-05/23	LADOTD Gramercy Rehabilitation, Edgard, Louisiana Project manager for this \$50M bridge painting and rehabilitation project of a major river crossing. Project included inspection of the bridge, bridge rehabilitation of the approach spans, of the main truss spans, painting of the steel approach spans and main truss spans. Josh developed the construction cost estimate and participated in the value engineering study initiated by the LADOTD.
02/22-Ongoing	LADOTD LA 70 over Pierre Part Bay, Pierre Part, Louisiana Project manager for a bridge rehabilitation study. The project involved the inspection, load rating, evaluation of a movable bridge in south central Louisiana. Josh managed several engineering discipline leads including structural, inspection, electrical, and mechanical.
06/17-03/20	LADOTD 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. Josh also provided the construction support services.
07/20-04/22	LADOTD I-10 Loyola Slab Span Repairs, Kenner, Louisiana Project manager for this bridge repair project that involved inspection, consultation with repair system vendors, finite element bridge analysis, plan development, cost estimating and construction support.

Josh Porter

09/19-11/20	<p>LADOTD Off-System Bridge Rating (53 Bridges), Statewide Louisiana Project manager and lead load rating engineer for the load rating of 53 bridges located in the northern parishes of Louisiana. The load ratings were done as a push to get all off system bridges throughout Louisiana load rated with LRFR. The structures varied in structure type and condition. Structure types included prestressed concrete girder, concrete slabs, prestressed piles with cap, timber piles with cap, steel girders, and reinforced concrete column bents. Bridges were rated primarily in BrR and RC Pier.</p>
03/19-11/21	<p>LADOTD LA 1 Phase 2 Bridge Design, Lafourche, 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. Josh's 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.</p>
02/20-09/21	<p>LADOTD I-20 Rehabilitation (Pines Road to I-220), Bossier Parish, Louisiana Task manager overseeing the load rating of 12 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.</p>
05/18- 06/22	<p>LADOTD LA-15 Boeuf River Bridge, 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.</p>
08/18 -11/21	<p>LADOTD LA-532 over I-20, Minden, Louisiana Project manager for an off-alignment bridge replacement carrying LA 532 over I-20 in Minden, Louisiana. The project called for the use of LG-36 girders at nearly the maximum length to span the interstate while still meeting the vertical grade and clearance requirements. Spans were supported on column bents with 60" drilled shaft foundations.</p>
02/16-05/19	<p>LADOTD 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. Led the design efforts and plan development and coordinated the traffic control plans development and accelerated bridge construction plans to allow for limited interruption of the I-20 traffic.</p>
04/21-05/23	<p>LADOTD, Orange Street over I-20 Repair, Monroe, Louisiana Project manager for a bridge repair project of a steel girder bridge over I-20. The project involved structural repair plans and extensive traffic control plans. Coordinated the efforts of the traffic engineers working with the LADOTD traffic engineering.</p>
01/14-12/15	<p>LADOTD 18 Posted Bridges, Various Locations, Louisiana Load rating engineer inspector who assisted in the development of recommendations of methods to remove the load posting of 18 bridges throughout major truck routes in Louisiana. Josh led the inspections to verify major deficiencies listed in previous inspection reports. Also assisted in the analysis, evaluation and final recommendations on removing the posting, rehabilitation or replacement of the bridges. The bridges included reinforced concrete girder spans, prestressed concrete girder spans, steel truss swing spans and reinforced concrete slab spans. Refined analysis was used to justify the removal of the posting on some of the structures. For others, it was determined to either rehabilitate or replace the structures.</p>
02/14-12/14	<p>LADOTD I-10 Bridge Evaluation near Lafayette, Lafayette and St. Martin Parishes, Louisiana Load rating engineer who developed load rating models for many of the superstructures, determined which bridges met the minimum criteria allowing widening, developed cost analysis for widening versus replacements, developed reports outlining the benefits of each. The project was to evaluate 22 bridges along the I-10 corridor near Lafayette for widening.</p>
07/13-06/15	<p>LADOTD LA 1 over I-49 Bridge Rehabilitation, Rapids Parish, Louisiana Designer, load rating and plan developer who assisted in the design of the substructure and drilled shafts for the new intermediate and end bents, the development of construction plans, and the as-designed load rating. The project was a rehabilitation of an existing bridge that had been subjected to settlement at the abutments, causing twisting of the existing continuous steel girder spans and failure of bearings. Plans were developed to remove the existing embankment and add spans to each side of the bridge. The existing structure would be temporarily shored in place while the existing abutments were replaced with a new intermediate bent. New abutments were placed and new spans were installed. The existing spans were then jacked to allow for replacement of their bearings and risers.</p>

16. Staff Experience

Firm employed by: **HNTB**



Name	Jeff Burst, PE	Years of relevant experience with this employer	7
Title	Senior Project/Program Manager, Associate Vice President	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization	BS / 1993 / Civil Engineering		
Active registration number / state / expiration date	PE: #27644 / LA / 09-30-2025		
Year registered	1998	Discipline	Civil
Contract role(s) / brief description of responsibilities	Quality Manager; CMAR/Progressive DB (PDB); Quality Control & Peer Reviews Task Lead; Plan Review Meetings		

Jeff has 31 years of experience in designing, managing and delivering complex transportation projects and programs. He is experienced in leading alternative delivery processes that include DB, construction management at risk (CMAR) and P3s. Jeff was one of the DB Institute of America's (DBIA) 2015 Leadership Award recipients for his promotion and advocacy of national DB principles.

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-Ongoing	Ascension Parish PMC, Baton Rouge, Louisiana Program manager for the \$100M Move Ascension Transportation Program. This is a multi-year contract which consists of the administration, planning, control, design oversight, environmental permitting, right-of-way acquisition, utility relocation, construction, inspection, grants management (RAISE, BUILD, EV, etc.), and public outreach for capital improvement projects under this unprecedented and bonded transportation investment in the Parish's infrastructure.
03/17-10/17	Georgia DOT Major Mobility Investment Program (MMIP) Strategic Program Plan PMC, Atlanta, Georgia DB SME for this PMC assignment for the Office of Innovative Delivery Program of projects. The MMIP, including DB and the P3 program, is valued at over \$11B over 10 years. As the foundation for a high-performing team, HNTB developed the building blocks for clear communication, defined expectations and accountability of quality, scope, schedule and budget, as well as established roles and responsibilities, streamlined processes, and ultimately accelerated the program.
01/17-07/17	Arkansas DOT Connecting Arkansas PMC, Statewide, Arkansas DB SME for this PMC assignment, where HNTB was a major partner serving ArDOT. The team provided program management services for the \$1.8B, 10-year transportation improvement program known as the Connecting Arkansas Program (CAP). The CAP included more than 30 projects in 19 corridors around the state, varying in size from \$10M to over \$425M. The program was funded by a voter approved 10 year, 0.5% sales tax increase.
01/15-04/16	LADOTD Construction Management at Risk (CMAR) Program, Statewide, Louisiana LADOTD program manager for the State's CMAR program after CMAR was legislatively-enabled in the State of Louisiana in 2015. He was responsible for leading a team of consultant advisors in the development and implementation of the policies and procedures for the LADOTD's CMAR program.
01/15-10/16	LADOTD P3, Baton Rouge, Louisiana LADOTD project manager for first-ever unsolicited P3 proposal for the Baton Rouge Urban Renewal and Mobility Plan (BUMP) received in January 2015. He led consultant efforts for this unprecedented initiative, specifically for the analysis of the proposal's design, schedule, feasibility, tolling, and traffic and revenue (T&R) studies.
08/07-10/16	LADOTD Paths to Progress Program Management Team, New Orleans, Louisiana LADOTD program manager for the nationally-acclaimed Submerged Roads and Paths to Progress programs. This was a nine-year federal emergency initiative for the rehabilitation and repair of roadways damaged from inundation during Hurricane Katrina. These programs included the planning, control, design, construction, inspection, and public outreach of approximately 130 project segments totaling an approximate \$225M investment in the region's recovery efforts.

16. Staff Experience

Firm employed by: **HNTB**



Name	David Boss, PE	Years of relevant experience with this employer	12
Title	National Practice Consultant	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization	BS / 1985 / Civil Engineering		
Active registration number / state / expiration date	PE: #68303 / TX / 06-30-2025		
Year registered	1991	Discipline	Civil
Contract role(s) / brief description of responsibilities	Alternative Delivery Methods Task Lead; Public-Private Partnership (P3); PMP/IFPs		

David has 39 years of experience in the US transportation industry. He combines over 20 years of design experience with 14 years of work with a P3 contractor-developer, where he served as a technical lead working with the financial, legal and commercial disciplines on mega-projects throughout the US, Canada and South America. Since 2020, he has worked as a director in HNTB's Advisory group specializing in owner's side alternative delivery.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/24-Ongoing	LADOTD I-10 Calcasieu River Bridge Replacement, Lake Charles, Louisiana Co-lead for OV consultant monitoring, contract compliance and risk management. HNTB is a major subconsultant providing OV consultant services to LADOTD for the \$2B replacement project under a P3 contract.
02/20-Ongoing	Georgia DOT, SR 400 Express Lanes P3, Atlanta, Georgia P3 advisor who is working with the owner's representative team to develop toll requirements, toll policy and other commercial terms for this ongoing procurement through a revenue risk P3 contract to implement major capacity improvements for one of Atlanta's most congested highways. He is advising on best practices that will enable GDOT to realize the benefits associated with the transfer of revenue, life cycle and other risks to a private sector developer.
12/22-Ongoing	Michigan DOT, I-375 Removal and Replacement, Detroit, Michigan Procurement lead for owner advisor team developing PDB RFP to reconnect Detroit communities by removing a depressed freeway in favor of a surface boulevard. The progressive method was selected following a rigorous delivery alternatives analysis.
04/22-Ongoing	LA Metro, Inglewood Transit Connector P3, Inglewood, California P3 advisor who leads a group of HNTB SMEs reviewing the DBFOM procurement documents for a 1.6-mile, elevated, automated transit system that will connect the City's major sports and entertainment venues with LA Metro. He is ensuring that the procurement documents prepared by various parties are cohesive and biddable by the P3 industry.
11/22-Ongoing	Ohio DOT, Brent Spence Bridge PDB, Cincinnati, Ohio P3 advisor who participated in adapting Ohio's DB contract to accommodate the PDB method for this \$2B ongoing procurement for a new bridge over the Ohio River and associated improvements on the approaches being overseen by a bi-state commission.
05/21-08/22	Georgia DOT, I-20/I-285 East Interchange DBF, Atlanta, Georgia Team lead for this procurement through a DB-Finance (DBF) contract to implement over \$600M in improvements for this key interchange. He was responsible for coordinating procurement activities, technical issues and commercial discussions and supported the project reaching commercial and financial close.
08/20-04/21	Arkansas DOT, I-40/I-55/Hwy. 77 Interchange PDB, Atlanta, Georgia PDB advisor who developed procurement documents for delivering interchange improvements via a PDB procurement. He worked with ArDOT, FHWA and environmental specialists to apply the early contractor involvement principles of PDB to this critical transportation project that will reduce delays and improve access for emergency services.

David Boss

10/14-07/16	Port Authority of New York & New Jersey (PANYNJ), LaGuardia Airport Central Terminal Redevelopment P3, Queens, New York P3 technical lead for the developer consortium that completely redesigned and reconstructed the Central Terminal at LaGuardia under a \$4B P3 lease arrangement. He oversaw traffic studies used to support the financing and developed long-term maintenance and life cycle plans.
04/14-09/14	Florida DOT District 5 (D5), I-4 Ultimate P3 Project, Orlando, Florida P3 technical director for the I-4 Mobility Partners during the pre-construction phase of this \$2.3B P3 project for FDOT, David created project management and quality management plans while helping the company mobilize to execute the project.

16. Staff Experience

Firm employed by: **HNTB**



Name	Michael Scott Cooper, PE	Years of relevant experience with this employer	10
Title	Vice President / National Practice Consultant	Years of relevant experience with other employer(s)	23

Degree(s) / Years / Specialization	BS / 1992 / Civil Engineering		
Active registration number / state / expiration date	PE: #0041402 / LA / 09-30-2025		
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities	Tolling Support Services Task Lead		

Scott is a 30-year veteran of civil engineering and public works programs with the last 22 years dedicated to the tolling industry, including assisting LADOTD Toll Operations Division since 2014. His diverse career includes strategic planning, management, engineering, consulting and advisory services for public and private toll roads, highways and bridges for over two dozen toll and transportation authorities across North America. This experience includes legislative support, P3s, budgeting, rating agency presentations and project financing support, construction management, toll technology, O&M, program development, efficiency studies, and trust indenture services. He has developed multi-billion dollar toll road capital improvement plans, operating budgets and implementation strategies. Scott has been responsible for completing toll system upgrades in more than 250 toll lanes along with performing 24/7 maintenance of toll collection equipment which processed toll revenue of over \$500M a day in Houston. He also was responsible for facility O&M of toll plazas throughout the Austin area. Scott is an active member of the International Bridge Tunnel and Turnpike Association (IBTTA) and routinely participates on technical committees to advance toll industry technology and best practices.

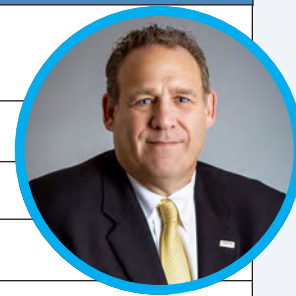
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/21-Ongoing	LADOTD Retainer Contract for Trust Indenture Services and Engineering Services for LA 1 Toll Facilities, Leeville, Louisiana Technical advisor for outsourcing of the existing roadside and back-office toll collection systems and operations to a private contractor. This includes preparing technical specifications for converting the open road and cash collection plaza to an all-electronic toll facility, assessing impacts to future revenues, contractor oversight, review of technical documents for contract compliance, and general toll advisory services.
04/20-Ongoing	LADOTD I-10 Calcasieu Bridge P3 Procurement, Lake Charles, Louisiana Technical advisor for completing a traffic and revenue report, tolling concept and capital expenditure (CAPEX) and operational expenditure (OPEX), and financial feasibility study for a long-term private concession DBFOM for the replacement of the I-10 bridge over Calcasieu River with an estimated program cost of nearly \$1B. He provided requirements for evaluation and scoring of proposals and developed tolling technical provisions for the P3 RFPs and participated in developer one-on-one meetings.
04/18-04/21	LADOTD Belle Chasse Toll Bridge P3 Procurement Services, Plaquemines Parish, Louisiana Technical advisor for Louisiana's first toll concession P3 project. He led the development of the technical provisions for tolling on the comprehensive agreement between the state and developer for a new toll bridge and assuming operations and maintenance of the existing LA 1 toll collection system. He participated in numerous workshops, reviewed developer submittal, attended one-on-one meetings with developers, was a member of the negotiating team, reviewed alternative technical concepts (ATC), and presented review finding to the LADOTD leadership.
03/18-01/19	Greater New Orleans Expressway Commission (GNOEC) Strategic Planning and Engineering Services, New Orleans, Louisiana Technical advisor assisting the GNOEC with identifying future improvements, maintenance preservation and modernization needs for the Lake Pontchartrain Causeway toll bridge. This included a review of automated violation system options, analysis, and recommendations of the non-revenue traffic options, hazard warning lights/call box system options, weather-related fog operations, and provided interoperability options for the agency at the state, regional and national levels.

Michael Scott Cooper

06/20-Ongoing	LADOTD I-12 Managed Lanes, Baton Rouge, Louisiana Technical advisor for the P3 contract that required the development of an innovative, turnkey occupancy registration and verification system to manage HOV use and performance of operation and maintenance, including public outreach activities and enforcement. Scott completed technical provisions and assisted in procurement activities and developer one-on-one meetings. LADOTD elected to cancel the P3 procurement and re-advertise selecting a vendor to provide, install and manage the HOV technology. He led the development of the technical documents, business rules and assisted LADOTD with policy requirements to support enabling legislation.
07/18-07/19	Oklahoma Turnpike Authority (OTA) Transitioning to AET, Statewide, Oklahoma Technical advisor assisting the OTA in preparing to convert toll facilities to AET. This included an agency-wide comprehensive review of their operations and business practices, identifying industry best practices, and preparing a conversion program addressing the following: legislative reviews; concept of operations; traffic and revenue updates; revenue assurance plan; business rules; IT readiness; procurement options; risk register; system conversion sequence; public outreach and communication; engineering and construction; civil and tolling system planning; and tolling system installation and testing.
12/18-Ongoing	IFA Ohio River Bridges Toll Services Advisor, Louisville, Kentucky and Southern Indiana Toll services advisor who is responsible for supporting the review and development of procurement documents to replace the existing customer service operations and back office systems and related technical and performance requirements.
09/20-Ongoing	Kansas DOT US 69 Express Lanes: Overland Park, Kansas Technical advisor for this first express lane project in the State, first toll project led by KDOT and one of the first three alternative delivery projects in the state. In partnership with KDOT, the Kansas Turnpike Authority (KTA) and the City of Overland Park, HNTB is leading a DB procurement for widening US 69 to six lanes and modifying interchanges connecting US 69 to the local street network. Scott led the traffic and revenue forecasting and financial feasibility study and is leading the development of all tolling system technical requirements for the operations of the express lanes. This included developing DB technical provisions and roadside toll collection system specifications along with establishing the tolling policy and tolling services agreements between KDOT and KTA.
06/16-Ongoing	TxDOT Grand Parkway Toll Road (SH 99) GEC, Houston, Texas Senior advisor who is supporting annual asset inspections and trust indenture reporting documents, identifying O&M and capital budgets. The current toll road is 54 miles in length generating over \$200M in annual revenues with \$4.5B in outstanding debt. He supported the preparation of the Engineer's report for Segments H&I bond sale of \$1.8B for adding 52 miles currently under construction.
03/09-Ongoing	Harris County Toll Road Authority (HCTRA), Tolling Advisory Services, Houston, Texas Technical advisor who assists HCTRA with strategic planning services that include toll system modernization planning, conversion to AET feasibility assessment, future operations impact analysis, recommending toll system upgrades and enhancements, prioritizing projects and resource planning, plaza safety improvements, and preparation of capital and operating budgets.
08/21-Ongoing	Georgia DOT Major Mobility Investment Program, Statewide, Georgia Technical advisor who is responsible for the development and procurement of projects to be delivered under the P3 program for GDOT's Office of Innovative Delivery. Express lanes projects are planned to be delivered using DBFOM under which the private sector will collect toll revenues and will be responsible for maintenance and roadway operations. His responsibilities include coordinating with legal and financial advisors to ensure the Technical Provisions are consistent with the agreement and developing technical/commercial provisions consistent with the DBFOM project. He is also responsible for the establishment of a toll services agreement with GDOT, State Road Toll Authority and the developer for optimum long-term toll collection and operations of a commercial and operational back office toll system that is interoperable with other regional and national toll entities.

16. Staff Experience

Firm employed by: **HNTB**



Name	Steven DeBella	Years of relevant experience with this employer	18
Title	Toll Technology Senior Consultant	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BS / 1987 / Hotel Management	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities		Toll Policy & Technology	

Steven is an electronic toll collection (ETC) system advisor and information technology (IT) expert with more than 30 years of experience in the toll collection industry working on projects in Louisiana, Texas, California, Florida, New Hampshire, New Jersey, New York, Maryland, Oklahoma and Pennsylvania. His current responsibilities for the LADOTD include project management, detailed performance analysis of toll system functionality, review of system business rules, validation of test results and system reconciliation process. He also provides recommendations and solutions pertaining to system performance 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).
07/17-06/22	LADOTD Retainer Contract for Trust Indenture Services and Engineering Services for LA 1 Toll Facilities, Leesville, Louisiana Program senior advisor who provided toll collection and accounting systems operation and maintenance services, project management, detailed performance analysis of toll system functionality, review of system business rules, validation of test results and system reconciliation process. He also provided recommendations and solutions pertaining to system performance issues and also provides capital cost estimates for new toll systems.
07/22-Ongoing	LADOTD Statewide Tolling Consultant Services, Statewide, Louisiana Technology specialist who provides project management, detailed performance analysis of toll system functionality, system business rules review, installation oversight, test results validation review, and system reconciliation process. He provides quarterly lane system audits to support the legislative audit process. He also offers recommendations and solutions for system performance issues and capital cost estimates for new toll systems. He supports the LA 1 Toll Facilities and Belle Chasse Toll Bridge P3 procurement services. He leads or supports additional activities regarding toll system procurements and assessments.
01/09-10/20	NTTA GEC and PMC, Plano, Texas Electronic tolls system advisor who developed inspection checklists, test plans, and NTTA's Comprehensive Lane Maintenance and Service Plan as part of his assignment. His other responsibilities included verifying the installation of lanes converted to all electronic tolling (transponder and image-based tolling - no cash) and analyzing the performance of existing lanes to recommend immediate corrective and preventative maintenance activities. He has also performed multiple lane systems assessments on the current system. Specifically, he performed lane assessments on the automatic vehicle classification, automatic vehicle identification, and image capture subsystems.
12/10-06/17	LADOTD Trust Indenture Services and Engineering Services for LA 1 and Crescent City Connection Toll Facility, Louisiana Program senior advisor who provided toll collection and accounting systems operation and maintenance services, project management, detailed performance analysis of toll system functionality, review of system business rules, validation of test results and system reconciliation process. He also provided recommendations and solutions pertaining to system performance issues and also provides capital cost estimates for new toll systems.

Steven DeBella

10/18-Ongoing	IFA, Ohio River Bridges Toll Services Advisor, Louisville, Kentucky and Southern Indiana Toll System SME who performs system audits on the current system, including the automated vehicle identification, automatic vehicle classification and detection, and image capture lane subsystems. The scope also included a detailed analysis of system VTolls and supported the development of a system assessment report and operational improvements. He also provides installation oversight and testing validation on the new system implementation.
05/06-05/19	Oklahoma Turnpike Authority (OTA), Electronic Tolls Systems Advisor: Oklahoma City, Oklahoma Electronic tolls system advisor who investigated production issues with the current toll integrator and provided solutions to the OTA. He analyzed all lane and subsystems and debugged and tested new installations on the Turnpike system. He played a key role in tuning all automatic vehicle identification toll lanes, which increased system accuracy to an all-time high. He developed a testing methodology, plans, and procedures for the current system and potential system equipment upgrades. He recommended upgrades to current systems and developed a Request for Proposals for a new violation enforcement system, including the optical character recognition application.
04/18-Ongoing	TxDOT General Engineering Services for Toll System Planning, Design, and Oversight, Houston, Texas Toll system manager who provides oversight of the toll system installation, testing, and integration of the roadside toll system for the 15-mile extension of SH 249 toll road. His responsibilities include installation inspection oversight, verification, and documentation of adherence to requirements in each toll lane at the Host location and the Customer Service Center (CSC) before System Acceptance. He also provides oversight of the full integration of the roadside system with the CSC.
07/17-06/21	San Bernardino County Transportation Authority, I-10 Express Lanes, San Bernardino, California Roadside toll technology SME who provided oversight of the design of the 10-mile express lane project. His responsibilities included reviewing design submittals and technical requirements by the Toll System integrator and the DB contractor. He also reviewed the civil site checklist used by the TSI to inspect the DB contractor's work.
06/11-05/18	CTRMA Toll System Integrator, Statewide, Texas Task force lead who provided oversight on system requirements and business rules, detailed performance analysis of toll system functionality, reviewed system business rules, validated test results, and system reconciliation process. He also provided recommendations and solutions for system performance issues and capital cost estimates for toll systems.
06/16-05/21	Alameda County Transportation Commission (ACTC), Toll Program Support, System Manager, Alameda County, California Toll system SME who provided oversight on system requirements and business rules, detailed performance analysis of toll system functionality, reviewed system business rules, validated test results, and system reconciliation process. He also provided recommendations and solutions for system performance issues and capital cost estimates for toll systems.

16. Staff Experience

Firm employed by: **HNTB**



Name	Patrick Duffy, PE, MS	Years of relevant experience with this employer	3
Title	Project Engineer, Team Lead	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 PE: #45363 / LA / 09-30-2025

Year registered 2021 Discipline Civil

Contract role(s) / brief description of responsibilities Bridge Design; Plan Development; Plan Review Meetings

Patrick 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. He also provides relevant experience in program management, project management, and competitive discretionary grant applications

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-Ongoing	LADOTD I-10 Calcasieu River Bridge Replacement Early Works Package, Calcasieu Parish, Louisiana Project engineer who served as task manager for the Calcasieu River Bridge substructure modifications and existing bridge repairs. 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. 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.
11/23-Ongoing	LADOTD IJA Off-System Bridge Program, District 61, East Baton Rouge Parish, Louisiana Deputy program manager for this \$38.5M off-system bridge replacement program, replacing 13 bridges separated into 10 projects located throughout East Baton Rouge Parish. This role includes coordination with LADOTD, coordination of multiple subconsultants, EBR Parish and other stakeholders, delivery of this multi-discipline project, and construction related services. Disciplines include bridge, roadway, geotechnical, survey, traffic control and hydraulics.
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. Lead team 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 SH 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 \$436M.
06/23-07/23	TXDOT FM 156 Underpass at Alliance Logistic Connector, Dallas, Texas Project engineer who served as task lead 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 five weeks.
10/22-04/23	LADOTD 2019 Alternative Delivery, Louisiana Grant writer for multiple grant applications in support of re-establishing passenger rail between Baton Rouge and New Orleans. Tasks included research and document collection, narrative writing, cost estimating, and quality assurance of final deliverable. Grant pursuits included Railroad Crossing Elimination Grant, CRISI, Corridor Identification Program, and Federal State Partnership.

16. Staff Experience

Firm employed by: **HNTB**



Name	Ryan Felder, PE	Years of relevant experience with this employer	2
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	PE: #40154 / LA/ 03-31-2026		
Year registered	2015	Discipline	Civil
Contract role(s) / brief description of responsibilities	Design and Peer Reviews; Roadway Design		

Ryan is a project engineer with 13 years of experience, and prior to joining HNTB, he worked over a decade for 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).
01/14-05/16	LADOTD LA 91 Drainage Canal, St. Landry Parish, Louisiana Engineer responsible for realigning the drainage canal under the current bridge and designing a subsurface drainage system to prevent erosion of the new roadway. He worked with both the bridge design and geotech teams on the location and height of the sheet pile wall. He also developed the title sheet, typical sections sheets, summary sheets, plan and profile sheets, embankment widening details, sequence of construction and cross section sheets. This project is to replace a structurally deficient bridge with a 100-foot bridge.
03/14-10/17	LADOTD LA 1026 Roundabout, Livingston Parish, Louisiana Engineer responsible for designing the three-legged roundabout. A challenge for the site was the 47-degree skewed intersection with a storage facility between the side road and the main road located in the skewed area. He designed the roundabout to avoid this storage facility while still maintaining required design guidelines for the roundabout. He developed the title sheet, typical sections sheets, summary sheets, plan and profile sheets, embankment widening details, sequence of construction, and cross section sheets for this project. This project consists of a signalized intersection to be replaced with a roundabout.
07/18-06/22	LADOTD Automation Engineer, Statewide, Louisiana Responsible for the CAD environment that LADOTD uses for their plan production, ProjectWise and CadConform. He also updated the Road Design Manual and some of the Road Design forms. Helped LADOTD's IT department with managing workspace to ensure files were up to date. Ryan assisted engineers by answering questions about the program and demonstrating how to utilize it. Filtered features and styles to evaluate necessities and streamline the program. He tested necessary features to ensure they worked correctly and fixed them to LADOTD's standards, as needed. He assisted engineers by answering questions about the program and demonstrating how to utilize it. He also served as project manager and a committee member to review and select the proposal to upgrade the CAD environment to Windows 10 Operating System and all software. The committee worked closely with the contractor to ensure the work is up to LADOTD's standards.
09/22-11/22	LADOTD Gramercy Bridge Rehabilitation, St. James & St. John the Baptist Parish, Louisiana Engineer who developed the traffic control plans which consisted of a detour and shutting down one lane to allow for the bridge to be painted. This project was to paint the bridge over the Mississippi River and slab jack the approaches.
07/22-12/22	LADOTD Ascension 8 Overlay Program, Ascension Parish, Louisiana Engineer who assisted in developing plans for final submittal to LADOTD. This project is part of the Ascension Overlay Program.

16. Staff Experience

Firm employed by: **HNTB**



Name	Benjamin Goodner, PE	Years of relevant experience with this employer	17
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 PE: #38208 / LA / 03-31-2026

Year registered	2013	Discipline	Civil
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Contract role(s) / brief description of responsibilities Project Management Task Lead; VE/Contractor Proposals, and RFIs

Ben has experience in various engineering disciplines including levee, floodwall, roadway, drainage, and bridge. This wide range of experience enables him to manage multiple projects with multiple disciplines. His management experience includes PS&E development, cost estimating, quality control review, construction related engineering services, detailing, analysis, inspection, and load rating of bridge structures on projects of various complexity, ranging from multi-level interchanges to off-system bridge replacements. Responsibilities have included coordination of structural, roadway, traffic, electrical and mechanical engineering disciplines. He also has experience in program management which includes document control, contracting, prioritization, feasibility, stakeholder engagement, grant writing and project finance. Ben has experience with alternative delivery being in charge of the design support services for both DB and P3 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).
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04/24-Ongoing	LADOTD I-10 Calcasieu River Bridge (HBI), P3 OV Team, Calcasieu Parish, Louisiana Deputy design manager for this \$2.1B P3 project that will replace and widen to three lanes in each direction the Calcasieu River Bridge and the interstate mainline between I-210 on the west side and Ryan Street on the east side, and reconfigure segment of LA 378 (Sampson Street) from I-10 to Sulphur Avenue. Ben serves as the deputy design manager. His major responsibility is leading the multi-discipline review team by assigning SMEs to all teams, providing training for the OV and LADOTD review teams, coordinating reviews of all submittals, overseeing the review comments, consolidating comments, and assisting the developer with comment resolution. Other responsibilities include contract oversight and administration, document control, stake holder engagement, responding to RFIs, coordination with the developer and DB teams, and change management.
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10/22-Ongoing	LADOTD IJA Off-System Bridge Program, District 61, East Baton Rouge Parish, Louisiana Program manager for this \$38.5M off-system bridge replacement program, replacing 13 bridges separated into 10 projects located throughout East Baton Rouge Parish. Ben is in charge of the screening and prioritization of poor condition bridge based on the available funding, contracting and coordination of multiple subconsultants, coordination with LADOTD, EBR Parish and other stakeholders, delivery of this multi-discipline project, and construction related services. Disciplines include bridge, roadway, geotechnical, survey, traffic control, and hydraulics.
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09/19-Ongoing	LADOTD I-10/Loyola Interchange Improvements, OV Services, Jefferson Parish, Louisiana Technical team lead managing all technical review assignments for this DB OV project. He is responsible for making technical review assignments based on the contents of each submittal, and then ensuring comments are compiled in Form DRs and returned within the agreed-upon two-week timeframe. Specific responsibilities include managing review RFIs, design calculations, design criteria, and plan submittals. In addition to these management responsibilities, Ben is also a lead reviewer on bridge and structural related submittals. Additionally, adherence to the performance-based specifications and constructability of design-builder's progress submittals is verified for this critical interchange connecting I-10 and Loyola Ave through the local urban communities and downtown New Orleans to the LNOIA terminal expansion.
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Benjamin Goodner

05/13-Ongoing	LADOTD LA 1 Phase 2, Leesville to Golden Meadow, Louisiana Team leader on the annual inspection of the 8-mile Phase 1 bridge, performing inspection of the entire substructure and superstructure, documenting deficiencies, and writing reports detailing the deficiencies and their progression over time. He also lead a team responsible for developing design and plans for the 9-mile stretch of bridge and 300 feet of concrete T-wall in Phase 2. His responsibilities included preliminary alignment and layout; superstructure design and details of LG girders and deck design; substructure analysis and plan production; preliminary and final plan development; checking plans and design calculations; T-wall site layout plan and specification development and developing quantity and cost estimates. Ben also currently serves as the project manager for the construction services. His responsibilities include responding to RFIs; reviewing shop drawings and contractor proposals for conformance with the contract documents; and managing the pile driving analysis and acceptance activities.
09/14-Ongoing	LADOTD Alternative Delivery IDIQ, Statewide, Louisiana Project manager who led teams in the development of multiple grant application on behalf of the LADOTD. Grant applications include INFRA, Railroad crossing elimination, CRISI, Federal State Partnership and Corridor ID. Tasks include stakeholder engagement and outreach, cost estimating and benefit cost analysis, and narrative development.
09/19-02/22	City of New Orleans, Morrison Bridges, New Orleans, Louisiana Project manager on this project which rehabilitated three bridges and replaced two bridges along the Morrison Road corridor, Ben's responsibilities included managing design task and plan production, substructure and superstructure design, substructure and superstructure rehabilitation, construction phasing, quantities, and cost estimates.
09/20-Ongoing	LADOTD 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.
09/20-09/21	LADOTD Caddo Lake Bridge (HBI), Caddo Parish, Louisiana Project manager on this bridge replacement project. Responsibilities include managing design task and 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.

16. Staff Experience

Firm employed by: **HNTB**



Name	Marc Hoffmann, PE	Years of relevant experience with this employer	6
Title	Project Engineer, Team Lead	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 PE: #44342 / LA / 09-30-2024

Year registered 2020 Discipline Civil

Contract role(s) / brief description of responsibilities Bridge Inspection; Letting Support; Shop Drawing Review

Marc serves as a bridge engineer in HNTB's Baton Rouge office. He brings over nine 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 **LADOTD LA 1 Phase 2 Bridge Design, Lafourche, Louisiana** Technical engineer and designer for new two-lane bridge connecting Golden Meadow to Leeville, (approximately 8 miles of bridge). The project consisted of precast prestressed concrete 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 2C. 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-Ongoing **LADOTD LA 1 Phase 2 Construction Support, Lafourche, 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 RFIs 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.

06/22-Ongoing **IDIQ Contract for Bridge Inspection Services, Statewide, Louisiana** Team Leader and inspector for NBIS in-depth and routine inspections of complex bridges in Louisiana, such as truss bridges and cable-stayed bridges over the Mississippi River. As a team leader and rope access technician for the inspections, Marc has inspected primary and secondary members of numerous bridges including but not limited to truss chords, truss gusset plates, truss floorbeams, cable-stayed cables, cable-stayed towers, and girders in non-redundant structures. To avoid lane closures, Marc was part of a rope access team that was able to utilize rope access techniques while inspecting. In his inspections, Marc took measurements of cracks/deficiencies, recorded observations, organized and uploaded written field observations to a central server, and assisted in developing the inspection report for the bridges.

09/18-11/19 **LADOTD LA 532 over I-20 Bridge Design, Monroe, Louisiana** Technical engineer and designer for the new LA 532 bridge over I-20. The new bridge design utilized precast prestressed concrete 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.

Marc Hoffman

01/20-10/21	<p>LADOTD 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.</p>
02/18-06/18	<p>LADOTD 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 precast prestressed concrete 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.</p>
08/18-08/23	<p>LADOTD 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.</p>

16. Staff Experience

Firm employed by: **HNTB**



Name	Kate Prejean, PE	Years of relevant experience with this employer	24
Title	Associate Vice President, Project Manager	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		BS / 2000 / Civil Engineering	
Active registration number / state / expiration date		PE: #35036 / LA / 3-31-2026	
Year registered	2009	Discipline	Civil
Contract role(s) / brief description of responsibilities		Roadway Design	

Kate has served as project manager 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).
06/19-Ongoing	Parish Of Baton Rouge MOVEBR Infrastructure Program, Baton Rouge, Louisiana Director of pre-construction for this \$1.2B program of projects that was separated into a list of capacity improvements and enhancements, HNTB is responsible for the \$800M in capacity infrastructure projects on 40 roadways throughout the parish of East Baton Rouge. Ms. Prejean 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, and 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.
10/06-12/19	LADOTD I-10 Calcasieu River Bridge and Approaches EIS, Lake Charles, Louisiana Project manager who was responsible for documentation, permit coordination, analysis, stakeholder coordination, quality assurance and control and overall management. This project studied the environmental impacts of widening the existing interstate and bridge over the Calcasieu River through an EIS.
01/17-01/21	Mississippi DOT I-10 Eastbound Over I-55, Jackson, Mississippi Engineer of record and technical roadway lead for this final design of the roadway approaches for a 15 span pre-stressed concrete beam bridge, Kate's duties included project coordination with the client, coordinating with disciplines and leading the roadway technical decisions and roadway design of the project.
01/17-01/19	Mississippi DOT I-55 Widening Over I-220, Jackson, Mississippi Project engineer and technical roadway lead for this design project for the complex bridge system and approaches and roadway modifications necessary, MDOT has been told by other consultants that the bridge structure could not be widened. The existing box girder structure had 9.4 percent cross slope and a low vertical clearance. Ms. Prejean led her team to design a solution to widen the structure with multiple shallow steel plate girders to carry the load and meet the vertical clearances required. Additional work for construction services included RFI reviews, shop drawing reviews, and additional contractor submittal reviews.
07/09-Ongoing	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, Ms. Prejean was responsible for the finalization of the draft EIS document, coordination with stakeholders and public hearing preparations. Her duties will continue until the conclusion of the project with the issuance of a record of decision. She also managed the quality control efforts on the project documentation as it went to final production. In addition, 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.

Kate Prejean

<p>10/10-07/16</p>	<p>LADOTD Submerged Roads Program/Paths To Progress Program, New Orleans, LA Project engineer for this \$120M hurricane relief program, Ms. Prejean was responsible for scope and fee development for CDCs, cost estimates and financial tracking during pre-construction. She completed construction proposal bid packages utilizing the LADOTD’s LaDotNet and Trnsport. HNTB worked with the LADOTD, FHWA and other stakeholders as the program manager for street repairs due to damage related to Hurricane Katrina.</p>
<p>01/09-01/11</p>	<p>City Of Biloxi Infrastructure Repair Program, Biloxi, Mississippi Project engineer whose responsibilities included reconciling FEMA project worksheets (PWs), assisting with proposed versioning of PWs, coordination with design engineering consultants, review of design plan phase submittals and project controls efforts. She also assisted in updating project schedules and coordinating cost tracking efforts and among team members. HNTB worked with the City of Biloxi, FEMA, Mississippi Emergency Management Agency and MSDOT as the program manager for infrastructure improvements to sewer, water and drainage facilities damaged as a result of Hurricane Katrina.</p>

16. Staff Experience			
Firm employed by: HNTB			
Name	Patrick Roth, PE	Years of relevant experience with this employer	12
Title	Structural Engineer	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		PE: #41553 / LA / 09-30-2025	
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities		Bridge Inspection	
<p>Patrick is a NHI/FHWA certified bridge inspector in HNTB's bridge group and brings 16 years of structural and bridge engineering experience includes the inspection, analysis and rehabilitation of existing structures as well as design of new bridge, highway and flood control structures. He is also experienced in construction management and has provided on-site services for bridge construction projects. As project manager and lead inspection team leader, Patrick is responsible for planning, scheduling all personnel and equipment, coordination with multiple agencies, and managing multiple teams in the field to ensure completion of the project with high quality, on time, on budget, to the client's satisfaction.</p>			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
03/16-Ongoing	<p>LADOTD NBIS In-Depth Inspection of the I-10 Calcasieu River Bridge, Lake Charles, Louisiana Project manager/lead team leader for the 2016, 2021, 2023 and the upcoming 2024 NBIS in-depth inspections of this arch truss bridge over the Calcasieu River, Patrick's duties included planning inspection, scheduling all personnel and equipment, and managing multiple teams in the field. Fracture critical members were inspected by him as part of this work. He was also responsible for development of the element level reports and In-depth inspection reports and inputting into LADOTD's asset management system.</p>		
03/16-Ongoing	<p>LADOTD 2016, 2019 and 2021 Retainer Contracts for NBIS Inspection of Complex Bridges, Statewide, Louisiana Project manager and team leader for the contracts that included NBIS in-depth inspections of US 190 Baton Rouge MS River Bridge, I-310 Luling MS River Bridge, John James Audubon MS River Bridge, US90 New Orleans MS River Bridges, LA 23 Judge Perez Bridge, LA-1 Lockport Bridge, US 90 Atchafalaya River Bridge, I-10 Calcasieu River ridge, I-10 Baton Rouge MS River Bridge, US 90 Danziger Bridge, Ted Hickey Bridge, and Claiborne Avenue Bridges. Bridge types inspected include cablestayed, cantilever truss, vertical lift, bascule, PPC girders, deck truss, and steel trestle bents. His duties include planning inspection, scheduling all personnel and equipment, and managing multiple teams in the field. Fracture critical members were inspected by him as part of this work. He was also responsible for development of the element level reports and in-depth inspection reports.</p>		
02/18-07/18	<p>Mississippi DOT US 84 Mississippi River Bridge Pin and Link Replacement, Natchez, Mississippi On-site project engineer who performed CEI services where his duties included answering RFIs, reviewing shop drawings and all contractor submittals, inspection of all structural construction activities, final acceptance inspection, quality assurance, and assisting DOT PM with close out documentation.</p>		
05/21-06/22	<p>Arkansas DOT Hernando De Soto Bridge (I-40) Over the Mississippi River, West Memphis, Arkansas and Memphis, Tennessee Inspection team leader for the emergency inspections of the back-to-back, 900-ft tied trussed arch bridge unit over the Mississippi River. 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 ArDOT 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.</p>		



16. Staff Experience

Firm employed by: **HNTB**



Name	John Bernard, PE	Years of relevant experience with this employer	26
Title	Senior Project Engineer	Years of relevant experience with other employer(s)	0

Degree(s) / Years / Specialization	BS / 1998 / Civil Engineering		
Active registration number / state / expiration date	PE: #31026 / LA / 03-31-2026		
Year registered	2004	Discipline	Civil
Contract role(s) / brief description of responsibilities	Bridge Design		

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, pre-stressed girders and timber structures. He has been involved in bridge projects from preliminary design through construction phases. He also has experience with various bridge inspections including many Mississippi River crossings. He has experience using LADOTD manuals and construction specifications.

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).
12/11-08/18	LADOTD 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.
01/19-05/19	LADOTD I-10 EB Veterans Blvd Bridge (Fire Repair), Jefferson, Louisiana Developed repair plans for accelerated bridge construction of partial width, full span length repair using precast, slab span elements and closure pours. Other repairs included concrete patching, joint seals, and post and rail barriers.
04/13-Ongoing	LADOTD 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 accelerated bridge construction methods, and environmental regulations.
09/21-Ongoing	LADOTD 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.
09/20-04/21	LADOTD 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	LADOTD US 90: LDRR and LA 329 Overpass Rehab, Iberia Parish, Louisiana Lead design engineer responsible for developing repair plans for accelerated bridge construction using precast end bent backwall replacements under phase construction. Other repairs included approach slab, concrete patching, anchor bolts, joint seals, and bearing pads.

16. Staff Experience

Firm employed by: **HNTB**



Name	Randal Bonura, PE	Years of relevant experience with this employer	5
Title	Project Engineer, Gulf Coast District Office Quality Manager	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization	BSCE / 2010 / Civil Engineering		
Active registration number / state / expiration date	PE: #39861 / LA / 09-30-2025		
Year registered	2015	Discipline	Civil
Contract role(s) / brief description of responsibilities	Roadway Design; Letting Support		

Randal has 14 years of consulting engineering experience. As project engineer, he performs roadway design, cost estimating, and construction administration services for projects in the Baton Rouge and New Orleans office's transportation, civil works, and construction sections.

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-Ongoing	LADOTD LA 1, Phase 2, Leeville to Golden Meadow, Jefferson Parish, Louisiana Project engineer performing design services for the performing design services for the \$38.3M bridge and roadway construction project. The scope of this project is to provide a new two-lane bridge from Leeville to Golden Meadow that includes 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. Randal performed field investigations and developed detailed construction plans conforming to LADOTD design guidelines and standards. He prepared scope of work for surveying, provided recommendations on horizontal geometric alignment layouts, and coordinated with LADOTD the proposed roadway and drainage design features to meet the department's minimum design guidelines, Road Design Manual, EDMS publications, and to conform with the Hydraulic's Manual. Roadway design includes accommodations for pedestrians and bicyclists per the LADOTD's complete streets policy.
05/19-Ongoing	LADOTD I-10 Improvements, Calcasieu River Bridge, Lake Charles, Louisiana Project engineer for the EIS to analyze alternatives for the replacement of the existing high-level bridge (135-foot vertical clearance) and the existing Sampson Street interchange. Proposed improvements consider the optimal roadway and bridge alignments to avoid or minimize risk of construction in the ethylene di-chloride contamination area, minimize required acquisition of ROW, and minimize impact of construction on traveling public.
05/19-Ongoing	LADOTD/City of Kenner 2030 Capital Improvement Program, LA 49/Williams Boulevard Improvements, Kenner, Louisiana Project engineer for the \$10M roadway rehabilitation and enhancement project. Provided geometric design improvements to a four-legged intersection, developed sidewalk layouts with ADA compliant curb ramps and provided reinforced concrete designs for various incidental construction paving items. He also provided quality control for permanent pavement marking plan in accordance with LADOTD guidelines and the MUTCD. Striping layout modified the existing four-lane roadway with two way turn lanes in the median to a four-lane roadway with a raised median and a bike lane in each direction.
03/20-Ongoing	LADOTD I-10/Loyola Interchange DB OV, Jefferson Parish, Louisiana Project Engineer who is performing design reviews and construction administration services for the \$125.9M DB project providing improvements to I-10 in Kenner, Loyola Drive and an urban interstate interchange. The existing tight urban diamond interchange is changing to a diverging diamond interchange with flyover ramps to improve access to the new LANOIA. Auxiliary lanes are also being added in each direction along I-10 between Loyola Drive and Williams Boulevard interchanges. Scope includes performing design submittal reviews ensuring the roadway performance specifications and LADOTD guidelines and policies are followed and providing construction engineering services such as reviewing RFIs and performing reviews for construction plan sheet revisions.

Randal Bonura

<p>10/22-Ongoing</p>	<p>City Of New Orleans DPW Project ID. Rr184, Uptown Group B (FEMA Recover Roads), Orleans Parish, Louisiana Project engineer who is performing design services for the \$4.7M roadway reconstruction and enhancement project in New Orleans' Uptown Group B neighborhood. He performed field investigations and provided recommendations report based on field findings. Scope includes preparing detailed construction plans, specifications, and cost estimate for the roadway reconstruction of 13 blocks including utility upgrades to sewer mains, water mains, and drainage. Scope also includes preparation of construction documents for base repairs and cold mill and overlay for three blocks, and incidental roadway repairs for four blocks. For streets with scope of work involving full reconstruction, all data and computations to support the roadway design and associated utility work is provided. Included in all repairs are utility adjustments and ADA compliant curb ramps.</p>
<p>02/21-Ongoing</p>	<p>Jefferson Parish DPW Project, Holmes Boulevard Rehabilitation (Terry Parkway to Browning Lane), Jefferson Parish, Louisiana Project engineer for this \$3M roadway rehabilitation and enhancement project, Randal completed detailed roadway design plans and construction proposal that included replacing all concrete pavement, sidewalks, driveways, curbing, pavement striping, and added ADA-compliant accessible ramps at all intersections, and bike lanes where feasible. He provided calculation of bid quantities and is currently serving as the resident engineer performing construction administration services, which include managing and supervising the contractor, reviewing and approving product submittals, hosting biweekly progress meetings, and answering RFIs.</p>
<p>05/19-Ongoing</p>	<p>Ascension Parish GEC, Master Transportation Plan Development and Implementation, Ascension Parish, Louisiana Project engineer for the "Move Ascension" transportation initiative: Ascension Parish Program Management, which is a multi-year general engineering services retainer contract. Randal's responsibilities include providing design reviews for other consultants' work. The program scope consists of administration, planning, control, design oversight, environmental permitting, ROW acquisition, utility relocation, construction, inspection, and public for capital improvement projects under this unprecedented and bonded transportation investment in the parish's infrastructure improvement efforts. This program is a critical step towards long-term sustainability of the parish's transportation infrastructure to facilitate the continued economic growth and vitality of Ascension Parish.</p>

16. Staff Experience

Firm employed by: **HNTB**



Name	David Branch, PE	Years of relevant experience with this employer	16
Title	Senior Resident Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	BS / 2002 / Civil Engineering		
Active registration number / state / expiration date	PE.0032902 / LA / 3-31-25		
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities	Construction Support Task Lead		
David is a senior resident engineer with 21 years of experience that includes program management and transportation projects. His knowledge of DOT systems, processes and design standards have made him an asset on several projects including the \$115M LADOTD Submerged Roads PMC project.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/21-Ongoing	Parish of Baton Rouge MOVEBR Infrastructure Program, Baton Rouge, Louisiana Resident engineer who is performing as an on-site representative for this \$1.2B program of projects that was separated into a list of capacity and enhancement projects. HNTB is responsible for the \$800M in capacity infrastructure projects on 40 roadways throughout the parish of East Baton Rouge.		
04/17-04/21	TXDOT US 181 Harbor Bridge Replacement Comprehensive Design Agreement (CDA), Corpus Christi, Texas Roadway resident engineer for this \$802M DB project includes a 1600-ft segmental cable-stayed bridge over the Port of Corpus Christi, segmental approach structures, new interchange of US 181/I-37 and four miles of new highway. David's responsibilities include performing as an on-site representative for TxDOT, monitoring for DBA compliance; daily OV inspection/oversight and related construction reporting; monitoring quality control and quality assurance efforts; ensuring construction compliance; and performing reviews including plans, specifications and related management documents.		
03/14-04/17	TXDOT US 77 (Kingsville to Driscoll) DB: Corpus Christi, Texas Resident engineer for this \$80M DB, eight-mile project that upgraded US 77 between Kingsville and Driscoll to interstate highway standards to improve safety and mobility as well as foster economic development throughout South Texas, David's responsibilities included performing as on-site representative for TxDOT, and monitor for DBA compliance; daily OV inspection/ oversight and related construction reporting; monitoring efforts of quality control and quality assurance, and construction compliance; and performing reviews; including plans, specifications, and related management documents.		
07/10-03/14	Texas General Land Office Disaster Recovery PMC, Various Locations, Texas Resident engineer for the recovery effort for impacts from the 2008 hurricanes Dolly and Ike, as a member of the construction observation team for the PMC, David helped to develop policy and procedures to efficiently gather and provide information during the construction procurement and construction activity phases of the program.		

16. Staff Experience

Firm employed by: 



Name	Brent Campbell	Years of relevant experience with this employer	12
Title	Advanced Measurements and Modeling Technician	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2013 / Construction Management		
Active registration number / state / expiration date	NA		
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities	Advanced Measurements/Scanning		

Brent is an expert with over a decade of experience using terrestrial and mobile/aerial LiDAR systems and accompanying post-processing and extraction software. His widespread experience managing and overseeing execution of projects involving advanced data capture techniques includes LiDAR, Photogrammetry, Multibeam Bathymetry, and Aerial Imagery.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/21-12/22	LADOTD Calcasieu River Bridge, Calcasieu Parish, Louisiana Group leader responsible for Mobile LiDAR acquisition and Mobile LiDAR extraction efforts. The project is in a high-traffic industrial area along I-210 and is approximately seven miles long. Forte and Tablada completed Mobile LiDAR scanning services for much of the corridor as a means of obtaining topographic data without endangering surveyors. The survey also included Multibeam Hydrographic survey of Lake Charles, and Terrestrial LiDAR scanning of bridge substructures. 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.
01/23- 01/24	LADOTD US 190, 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 four 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	LADOTD 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	LADOTD 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	LADOTD 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 five miles long. Forte and Tablada completed terrestrial LiDAR scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.

16. Staff Experience

Firm employed by: **HNTB**



Name	Edwin Crooks	Years of relevant experience with this employer	4
Title	National Practice Consultant	Years of relevant experience with other employer(s)	39
Degree(s) / Years / Specialization	MBA / 1994 / Finance and International Business		
Active registration number / state / expiration date	NA		
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities	Advisory Services Task Lead		

Ed is an infrastructure finance and project development professional with extensive experience in P3, with expertise in developing infrastructure investment opportunities, project and corporate finance, and P3 project communication strategies. His sector experience includes highways, water/wastewater, rail/transit, airports, and social infrastructure. He has a broad professional network in the US infrastructure market and brings an analytical perspective with solid 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).
1/21-10/22	LADOTD, Executive Owner's Representative (EOR) Services, Baton Rouge, Louisiana Led HNTB's provision of EOR services to LADOTD across a range of initiatives, including compiling industry best practices for how state DOTs and other public agencies have organized and managed their offices of innovative delivery; developing an approach and strategy for improving LADOTD's access to federal grant funding, which included assisting in preparing the successful grant application for \$25M of funding for new ferries; and evaluating LADOTD's data management and data resources, and developing recommendations to help strengthen the department's approach to its use of data.
6/20-Ongoing	Georgia DOT Major Mobility Investment Program, Statewide, Georgia Commercial advisor who supported HNTB's strategic advisory efforts with GDOT. For this large program of alternative and conventional delivery projects, Ed's team supports a wide range of activities, including procurement strategy and implementation, market engagement, communications, and commercial structuring.
6/20-7/21	San Diego Association of Governments, Executive Owner's Representative San Diego, California Commercial advisor who supported HNTB's strategic advisory efforts in an on-call P3 advisory role related to SANDAG's Old Town Campus revitalization project. The project involved multiple public stakeholders, considered a variety of delivery models and heavily depends on real estate value capture. Ed led in different commercial structuring and market outreach initiatives.
04/17-08/18	Virginia DOT 95 Express Lanes, Fredericksburg Extension, Stafford County, Virginia Led negotiations with Virginia DOT in completing this \$500M extension to the I-95 tolled managed lanes project. The commercial project agreement involved several unique elements, including the buyout of the existing profit-sharing scheme, which yielded a \$230M upfront payment to the Commonwealth.
03/15-08/16	California High-Speed Rail Authority, Rail Delivery Partner Procurement, Statewide, California Lead advisor to the Authority as they re-structured and procured their primary program management contract. This involved extensive market sounding before and during the procurement process as the Authority sought to introduce innovative risk sharing measures into this \$700M services contract.
04/13-03/15	Indiana Finance Authority, Ohio River Bridges, Indianapolis, Indiana Financial advisor who helped develop the bi-State project sponsor agency's project delivery and communications strategy. The project introduced tolling to the region for the first time in decades, and the sponsors had to address significant community concerns with the concept. Ed helped craft a commercial project strategy and key messaging that allowed the project to advance, winning support from a broad cross-section of local stakeholders and successfully reaching financial close. He also played a leading role in the industry market sounding effort, which included multiple rounds of one-on-one meetings with prospective bidders, follow-up communications with bidder teams, engagement with the local DBE community, and an industry event that attracted over 800 participants.

16. Staff Experience

Firm employed by: **HNTB**



Name	Buren "Buck" Defee, PhD, GISP	Years of relevant experience with this employer	16
Title	Principal Technologist	Years of relevant experience with other employer(s)	4

Degree(s) / Years / Specialization
 PhD / 2003 / Urban and Regional Sciences
 MS / 1998 / Land Development
 BS / 1994 / Marine Biology

Active registration number / state / expiration date
 48418 / USA / 1/25/25

Year registered: 2009 Discipline: GISP

Contract role(s) / brief description of responsibilities
 Grant Applications and Benefit Cost Analysis

Buck is an expert in leading projects with broad-scale land management issues and his work was key to maximizing recovery funding from FEMA, FHWA and HUD after Hurricanes Katrina, Harvey and Superstorm Sandy through the FEMA-DRF, FHWA-ER, CDBG-DR, CDBG-MIT and HMGP programs. He is leading grant-writing efforts under the Bipartisan Infrastructure Law, winning over \$125M in grant funding for clients. Buck has extensive experience working in Ascension Parish with projects including the Ascension Parish Drainage PMC, Ascension Parish GEC, Ascension Levee Accreditation, and the Ascension Parish Floodplain study.

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).


03/12-12/15 **LADOTD Paths to Progress PMC, Greater New Orleans Region, Louisiana** Task lead that worked with local agencies and utilities to collect geospatial data critical to coordinate utility replacement during recovery efforts following Hurricane Katrina.

06/14-Ongoing **Ascension Parish Various Contracts, Ascension Parish, Louisiana** Provided geospatial expertise for Ascension Parish since 2014, including data collection, management and analysis for flood protection projects and more recently, grant applications for recovery, resiliency and transportation.

05/22-Ongoing **East Baton Rouge City-Parish Grants Management, Baton Rouge, Louisiana** Program manager for the program where the goal of the program is to identify projects, determine project eligibility under formulaic and discretionary grant funding programs, complete applications for funding under the Bipartisan Infrastructure Law or other existing programs, and manage awarded grants. Applications include USDOT Safe Streets for All; FRA Railroad Crossing Elimination; and Neighborhood Access and Equity (\$13M win). Managing prior grant awards including: USDOT INFRA (Baton Rouge Northern Mobility Plan, \$56M win); USDOT RAISE (Baton Rouge/Gonzales Passenger Train Stations, \$20M win).

12/17-01/20 **Harris County Disaster Recovery, Houston, Texas** Managed FEMA's damage inventory, scheduling, coordinating, and providing oversight for FEMA site visits. Coordinated with Harris County Engineering and Harris County Flood Control District to identifying and assess potential drainage project sites. Managed application development for CDBG-DR, CDBG-MIT and HMGP grant funding. Developed resource and cost-loaded project schedules for over 100 local, CDBG, and HMGP-funded Recovery & Resiliency projects for use in program planning and long-term decision-making. Developed tools to assist Harris County in determining program eligibility for current and future projects. Worked with team to document projects per application requirements. Completed grant applications totaling \$382M resulting in over \$100M in Federal funding.

07/13-11/14 **New York City DOT Engineering Services Contract, NYC Sandy Recovery, New York City, New York** Managed the assessment teams, including training and scheduling, in the assessment of over 70 miles of roads. Wrote the assessment reports and completed the FEMA PW and FHWA DDIR applications to secure federal funding. Developed and managed the information management system used to complete the road assessments for the New York City DOT. This included a mobile smartphone solution, data conversion systems, the back-end database, and reporting tools.

16. Staff Experience			
Firm employed by: 			
Name	Jonathan Paul Duhe, PE, PTOE, RSP	Years of relevant experience with this employer	12
Title	Project Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2011 / Civil Engineering	
Active registration number / state / expiration date		PE: #41047 / LA / 03-31-2025 PTOE: #4418 RSP: #282	
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities		Justification/Modifiication Reports	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/23-Ongoing	LADOTD Jimmie Davis DB, Bossier and Caddo Parishes, Louisiana Project engineer for signal design and traffic analysis. This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway and provide associated roadway drainage systems.		
06/20-Ongoing	LADOTD I-10/I-12 at College Drive Flyover Ramp DB, Baton Rouge, Louisiana Traffic engineer performing a traffic study and design at the I-10/12 merge in an effort to improve capacity and safety. Assisted with uncalibrated VISSIM model. Assisted with safety analysis and signal design.		
02/20-Ongoing	I-20 at LA 544 Overpass Replacement, Lincoln Parish, Louisiana Traffic signal design reviewer for preliminary and final plan. This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes 4 multi-lane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes a new bridge with a sidewalk over I-20. The entire project limits are complete street complaint which means it provides facilities for all users. Tasks similar to line and grade completed include establishing design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more.		
08/22-Ongoing	LRSP Ardenwood Dr Road Diet, Baton Rouge, Louisiana Project engineer responsible for data collection (traffic counts and peak-hour observations), traffic forecasting, traffic safety analyses, corridor operational analyses (HCS, Sidra), safety analyses, and traffic report preparation.		
07/21-Ongoing	FYA Signal Improvement (LCG), Lafayette, Louisiana Project engineer who oversaw the development of traffic signal plans to upgrade 28 intersections to include flashing yellow arrow signal heads as well as backplates.		
09/21-Ongoing	Harding Blvd at I-110, Baton Rouge, Louisiana Traffic engineer who is performing a traffic study and design along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I-110 Ramps in an effort to improve capacity. Assisted with data collection and Initial Data Collection Report.		



16. Staff Experience

Firm employed by: 



Name	Joffrey Easley, PE	Years of relevant experience with this employer	17
Title	Project Manager - Transportation	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 PE: #31542 / LA / 03-31-2025

Year registered 2004 Discipline Civil

Contract role(s) / brief description of responsibilities Bridge Load Rating

Joffrey has been responsible for the design and development of construction documents for many different bridge types; including PPC girder, steel girder (included rolled shapes and plate girders), and slab span bridges. He has also load rated numerous bridges using the LRFR methodology; ranging from concrete slab span structures on local routes to urban corridor bridges several thousand feet in length on interstate routes. He has also rated many different types of movable bridges, including lift spans, swing spans, and bascule spans. Joffrey is also a certified bridge inspector, having completed the two-week NHI course entitled "Safety Inspection of In-Service Bridges." He has been the team leader for the inspection of numerous bridges across Louisiana, from small bridges inspected from an aluminum bateau to major river crossings requiring snooters or man lifts to access the structural components.

Experience dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

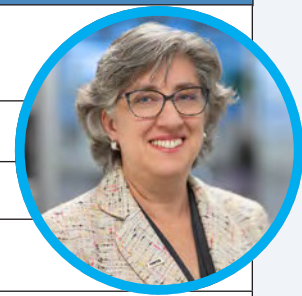
09/22-Ongoing **LADOTD Retainer Contract for Bridge Load Rating Services, Statewide, Louisiana** Project manager, load rating engineer, and team leader for two task orders under a load rating retainer contract to perform a load rating for numerous bridges that have experienced a condition drop due to 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 one is for the load rating of ninety-five 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.

06/23-Ongoing **LADOTD 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 six is for the load rating of approximately sixty-five 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-Ongoing **E Lewis St 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 3D laser scan to determine appropriate properties to consider for the load rating, which resulted in the removal of a 3-ton posting requirement. To improve the long-term performance of the bridge, rehabilitation plans are being developed, including strengthening of the steel girders, concrete spall and cracking repairs, a urethane-epoxy overlay of the bridge deck, and sidewalk repairs.

11/16-10/20 **Livingston Parish Off-System Bridge Load Ratings - Livingston Parish, Louisiana** Inspection and load rating lead for numerous existing slab span bridges and culverts so that Livingston Parish would follow FHWA Metric 13, which requires all Off-System bridges to be load rated.

16. Staff Experience			
Firm employed by: HNTB			
Name	Diane Gormely-Barnes, FAICP, ENV SP, LEED AP	Years of relevant experience with this employer	22
Title	Planning & Urban Design Section Manager	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		MUP / 1997 / Urban Planning BArch / 1992 / Architecture	
Active registration number / state / expiration date		AICP #01670, Illinois licensed architect #001-015468	
Year registered	AICP 2001, LEED AP 2009, ENV SP 2020, FAICP 2024	Discipline	Certified Planner, LEED Accredited Professional, Licensed Architect
Contract role(s) / brief description of responsibilities		Grant Applications and Benefit Cost Analysis	
<p>Diane is a principal planner based in HNTB-Chicago's planning group, managing the Planning & Urban Design section that serves client agencies locally and across the country. Diane's 30+ years of experience covers the spectrum from strategic and policy planning to detailed design solutions and funding strategies, with an emphasis on consensus-based and contextually sensitive integration of transportation infrastructure and development. She provides support to agencies nationwide on New Starts and federal discretionary grant applications, including the coordination with municipalities that is required for successful funding efforts. Diane was inducted into the AICP College of Fellows in 2024 in recognition of her significant career contributions to the urban planning profession.</p>			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/23-02/24	<p>Port of Hood River, Hood River Bridge Owners Representative, Hood River - White Salmon Bridge Replacement Project Bridge Grant Applications, Hood River, Oregon Senior technical advisor for preparation of narratives for Bridge Investment Program (BIP) and Multimodal Project Discretionary Grant (MPDG) grant applications for the project, which will replace a critical rural freight transportation link, the only connection between Oregon and Washington along a 44-mile stretch of the Columbia River. The replacement bridge will provide new pedestrian and bicycle connectivity and support expansion of local transit services. The MPDG application secured \$200M in INFRA funding for the project, announced in February 2024.</p>		
11/21-10/22	<p>Ohio DOT, Brent Spence Bridge Corridor, Hamilton County, Ohio and Kenton and Campbell Counties, Kentucky Senior technical advisor for preparation of the grant narrative and other application materials for Mega (INFRA) and BIP applications for a new Ohio River crossing between Cincinnati, Ohio and Covington, Kentucky. Diane also coordinated responses to reviewer questions regarding both applications. The project includes rehabilitation of the existing Brent Spence bridge to support local traffic, construction of a new companion bridge to support interstate through traffic, and upgrades to 7.8 miles of approach roadways in Ohio and Kentucky, including major interchange improvements. These applications secured a combined total of \$1.635B in federal funding for the project, announced in December 2022.</p>		
06/22-03/24	<p>City of Minneapolis General Consulting Pool, Nicollet Avenue Bridge Grant Application, Minneapolis, Minnesota Senior technical advisor for preparation of the grant narrative and other application materials for a BIP application submitted for rehabilitation of the Nicollet Avenue Bridge over Minnehaha Creek in the City of Minneapolis in 2022, resubmitted in 2024. The application preparation required close coordination with City departments and the design engineering firm. Work was performed as a task order under HNTB's GEC services contract with the City of Minneapolis Department of Public Works.</p>		
01/24-Ongoing	<p>Hennepin Avenue Bridges Grant Application, Hennepin County, Minnesota Narrative lead and senior technical adviser for preparation of a Bridge Improvement Program (BIP) grant application on behalf of project sponsor Hennepin County for rehabilitation and other enhancements to the three Hennepin Avenue Bridges spanning the Mississippi River in the heart of downtown Minneapolis, including the iconic Father Louis Hennepin Suspension Bridge. Rehabilitation of the three bridges will connect and support major multimodal improvement projects recently completed or underway, including the E Line BRT service beginning in 2025.</p>		



Diane Gormely-Barnes

<p>03/21-04/24</p>	<p>Maryland Aviation Authority On-Call Planning, RAISE Planning Grant Applications, Maryland Senior technical adviser for the preparation of Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grant applications for the BWI Marshall Airport Roadway, Multi-Modal, and Cargo Modernization Planning Study in 2021, and for the BWI Marshall Airport Multi-Modal Ground Transportation Center (GTC) and Automated People Mover (APM) Planning Study in 2024. A GTC will centralize transportation facilities and accommodate improved connectivity, including anticipated new routes and modes, and will help separate vehicle types to optimize safety, efficiency and provide capacity for new service within the terminal area. An APM will allow for expanded, reliable and efficient connectivity throughout the BWI Marshall campus and into the surrounding community.</p>
<p>07/20-12/20</p>	<p>TxDOT I-345/I-30 Feasibility Study, Dallas, Texas Planner supporting preparation of an analysis for TxDOT comparing the economic impact of four different alternatives for the redevelopment of I 345 in Dallas, between the I-30/45 interchange and the U.S. 75/Spur 366 interchange. The analysis estimates economic impact in terms of new property taxes generated by the conversion of land currently used for transportation to developable parcels for other uses in each of the four alternatives.</p>
<p>01/21-Ongoing</p>	<p>Michigan DOT I-375 Reconstruction Owner’s Representative Services, Detroit, Michigan Task lead for development of a boulevard framework plan, community enhancement and development concepts, and implementation strategies for the disposition of approximately 30 acres of excess land to be reclaimed as a result of the upcoming removal of I-375 just east of downtown Detroit by the MDOT, and its replacement with an at-grade boulevard with significant multimodal connectivity features. The land disposition strategy is being developed for MDOT in partnership with the City of Detroit and Southeast Michigan Council of Governments and will be informed by significant stakeholder and community outreach. The framework plan, prepared in partnership with the City of Detroit, will address the historical significance and contributions of the Black Bottom and Paradise Valley communities that were displaced by the original freeway construction by delineating locations for community enhancements, while ensuring continued access to the riverfront, casino, and sports arenas currently served by I-375. The framework plan will articulate community aspirations for the new boulevard corridor addressing future land use and development character, integrated stormwater management strategies, neighborhood multimodal connections, and complete streets and urban design features. Implementation of the plan will ensure that the boulevard removal project contributes to cohesive and historically sensitive public and private investments for the long-term benefit of local residents and property owners, corridor visitors, and the city of Detroit as a whole. The project will reconstruct I-375 to replace an urban freeway with an urban boulevard to promote and support walkability, increase transit access and improve non-motorized connections and urban-friendly linkages between businesses, cultural and entertainment destinations and neighborhoods. HNTB’s overall scope of services includes environmental clearance, early preliminary engineering, project management, project controls, federal compliance, public involvement, procurement and oversight of design and construction inspection services.</p>

16. Staff Experience

Firm employed by: **HNTB**



Name	Edward Grill	Years of relevant experience with this employer	22
Title	Lead Electrical Project Engineer	Years of relevant experience with other employer(s)	N/A

Degree(s) / Years / Specialization	BS / Fall 2024 / Electrical Engineering BS / Computer Engineering Credits		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A


Contract role(s) / brief description of responsibilities: Roadway Lighting Design

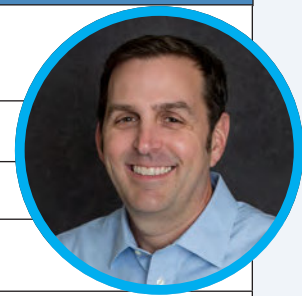
Edward is a lead electrical project engineer for HNTB responsible for the design and development of contract plans, review of shop drawings, and coordinating design efforts with clients. He has experience with the design and development of street, roadway, building, parks, pedestrian, bridge accent and other lighting system. He also has experience designing telecommunication systems, access control systems, interior and roadway lighting systems, motor control centers, programmable logic control systems, both low and medium voltage power distribution systems, and numerous types of electronic toll collection systems. He has also been involved in the design of aviation lighting, navigation, weather reporting, fire alarm and suppression systems, sign guidance systems and intelligent transportation systems.

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).
09/22-01/23	LADOTD – Kenner City Street Lighting , City of Kenner, Louisiana Lead lighting project engineer responsible for the design of a new street lighting system along the Williams Boulevard corridor for the City of Kenner. Responsibilities included the delivery of contract plans, specifications, and cost estimate to construct an ornamental street lighting system stretching about 1.5 miles of roadway. Lighting design calculations were performed using the Lighting Software developed by Acuity Brands called Visual Lighting. Industry standard practices and criteria were followed and included those published by FHWA, IES, and AASHTO.
06/17-07/20	New York State DOT, Route 17 at Route 32 (Exit 131) Reconstruction, Harriman, New York Lead lighting design engineer for this DB project which includes the reconstruction of the Route 17 at Route 32 (Exit 131) interchange to meet interstate standards. The scope includes construction of a grade separated access point to and from Woodbury Common Premium Outlet (WCPO), reconstruction of Exit 131 eastbound ramp system, reconstruction of Nininger Road (CR 64) and the Exit 131 westbound ramp system, reconstruction of Route 17 (Future I-86) from US Route 6 (Exit 130A) to the Harriman Toll Plaza, replacement of BIN 1003340, increasing clearance under BIN 1077100 to Interstate standards, reconstruction/resurfacing of Route 32 from Commerce Drive to a point approximately 500 feet north of the intersection with Buena Vista Terrace, reconstruction and/or resurfacing of ramp connections to and from US Route 6, and internal roadway improvements to the Monroe-Woodbury Central School District campus. Ed was responsible for task management and design of roadway and tunnel lighting systems, all contract power distribution requirements, including car charging stations, load centers, ITS equipment, traffic signals, including acquiring electrical utility service from the utility provider, and coordination of construction requirements with NYSDOT. More than two miles of roadway lighting systems were designed and constructed using LED luminaries to provide a safe, highly efficient and aesthetically pleasing lighting system for both drivers and pedestrians traveling on foot throughout the project limits on a new sidewalk.

Edward Grill

<p>08/11-10/19</p>	<p>MTA - Bridges and Tunnels (TBTA), Robert F. Kennedy Bridge RK65A Design & DSS for Bronx Toll Plaza Structure Reconstruction, Bronx, New York Lead electrical project engineer responsible for task management and design of roadway and toll plaza lighting systems, toll collection integration and security systems, including access control, CCTV, all contract power distribution requirements, including the design of a new 5kV Substation, and coordination of construction requirements with TBTA. The roadway lighting systems were designed and constructed using LED luminaires to provide a safe, highly efficient, and aesthetically pleasing lighting system for drivers and to accommodate facility operations. The 5kV Substation design included a 500KW generator, load bank, main distribution panel, multiple automatic transfer switches, tap boxes for supplemental generator connections which was construction using a pre-fabricated enclosure to accelerate delivery and installation. HNTB, in a joint-venture team, provided structural design and construction support services to replace the Bronx Toll Plaza superstructure. The existing Bronx Toll Plaza was widened from the original structure and the longitudinal joints in the deck represent one of the worst locations of deterioration. HNTB developed a unique “floating” superstructure on bearings to eliminate virtually all deck joints from the structure. The new cast-in-place is designed for a 50-year service life and is isolated from the existing superstructure and piers, eliminating the need for seismic retrofit. The project also involved design of new power distribution system and electrical enclosure. The system consisted of new medium-voltage switchgear, new stand-by generator, power to data center and toll booths, modification of numerous power panelboards, and redundant transfer switches.</p>
<p>01/16-08/20</p>	<p>New York State Thruway Authority, DB Construction of the Mario M. Cuomo (Tappan Zee) Bridge, Tarrytown, New York Electrical engineer responsible for the design, analysis, and development of construction plans, specifications, and estimate for the construction of NYSTA's Rockland Landing rest area building in Rockland County New York. Project design responsibilities included fire alarm, CCTV, power distribution, lighting for both interior and exterior areas including a pedestrian tunnel accent lighting system, communication, networking, and access control systems for the facility. The project reconstructed the local exit roadways for South Nyack and included a shared-use-path for pedestrians and cyclists along with rest area features. working as part of HNTB's contract as owner representative for the replacement of the Tappan Zee Bridge. The existing structure connects South Nyack in Rockland County with Tarrytown in Westchester County in the Lower Hudson Valley. The total length of the bridge and approaches is 16,013 feet with a main cantilever span of 1,212 feet. The project is one of New York's first DB projects with a cost of \$3.98B. The replacement structure is a twin bridge cable-stay main span structure north of the existing alignment.</p>
<p>01/23-Ongoing</p>	<p>MassDOT - Davol Roadway Improvements, Fall River, Massachusetts Lead lighting project engineer responsible for the design of a new street lighting system along the Davol Street corridor for the City of Fall River. Responsibilities included the delivery of contract plans, specifications, and cost estimate to construct an ornamental street lighting system stretching over 5 miles of traveled roadway and local streets. Lighting design calculations were performed using the Lighting Software developed by Lighting Analysts AGI32. Industry standard practices and criteria were followed and included those published by FHWA, IES, and AASHTO.</p>

16. Staff Experience			
Firm employed by: 			
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 / 2020 / Chemical Risk Assessment/Toxicology MS / 1996 / Public Health	
Active registration number / state / expiration date		ABIH: #10438 NACE: #23834 / 07-31-2024	
Year registered	2009 / 2013 / 2018	Discipline	Certified Industrial Hygienist
Contract role(s) / brief description of responsibilities		Material Sampling & Testing	
<p>Kevin brings over 28 years of experience performing coatings assessments and related services including industrial hygiene and environmental services. 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. Additionally, Kevin has collected and analyzed groundwater and soil samples for subsequent analysis for the LADOTD since the late 1990s. He has demonstrated his coatings assessment proficiency by assessing and testing bridge coatings on numerous Mississippi River bridges such as the Huey P. Long in New Orleans, Crescent City Connection (both bridges), Sunshine, Baton Rouge I-10 and the Natchez Vidalia. Kevin also has assessed the bridge coating system on numerous interstate overpasses for LADOTD.</p>			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/19-10/22	LADOTD US 90 Atchafalaya River Bridge Rehabilitation, Morgan 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.		
10/20-07/21	LADOTD Water Tower Assessments, St. John the Baptist Parish, Louisiana Principal/coatings team leader who directed a team on industrial coatings assessments for 16 elevated water towers, both interior and exterior. Oversaw project planning, execution and quality assurance to ensure compliance with safety standards and client specifications. Provided leadership and guidance, fostered a collaborative and efficient work environment to meet project deadlines and delivered exceptional results.		
02/18-08/19	LADOTD Route I-10 Clean, Paint and Other 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.		
12/17-08/18	LADOTD 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.		
08/16-10/17	LADOTD US 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.		
12/15-06/17	LADOTD US 90 Over Mississippi River Bridge (GNO2) Structural Repairs and Spot Painting, New Orleans, 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.		



16. Staff Experience

Firm employed by: **HNTB**



Name	Michael Gwynne, PE	Years of relevant experience with this employer	25
Title	Resident/Senior Project Engineer	Years of relevant experience with other employer(s)	4

Degree(s) / Years / Specialization	BS / 1996 / Civil Engineering		
Active registration number / state / expiration date	PE: #28630 / FL / 02-28-2025		
Year registered	2002	Discipline	Civil
Contract role(s) / brief description of responsibilities	Public-Private Partnership (P3); Non-Conformance Reports (NCR)		

Mike has served as a technical advisor on alternative delivery projects, including P3 and DB delivery across the country. He brings varied experience from the perspectives of contractor, design engineer, and CEI consultant on construction projects totaling more than \$8B throughout his career. His clients include Florida DOT, Florida's Turnpike Enterprise, Caltrans, the Federal Railroad Administration and the PANYNJ. The majority of his assignments have included large, complex, multi-phase projects with compressed schedules. Mike's experience has given him insight into multiple types of contracts, project controls and client expectations. Throughout his career he has resolved, negotiated, mitigated and defended a variety of claims against the owner, including participating in several dispute hearings.

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).
12/13-12/23	Florida DOT D5, Central Florida's Commuter Rail Transit (Sunrail) Phase 1, Orlando, Florida Senior project engineer responsible for managing and ensuring contract compliance of the initial operating segment (IOS) of the SunRail System. He managed a large inspection staff, reviewed numerous supplemental agreements and work orders over four contracts, conducted weekly design and construction coordination meetings, oversaw the management of daily construction activities and field issues, and oversaw management and resolution of contractor's requests for information, submittals and invoices. He assisted FDOT with reporting to the FTA and the FRA. The 31-mile IOS was a DB-maintain contract which included the design, engineering, construction, testing and commissioning of the system for revenue service. The \$238M project included a new dispatching center in Sanford, improvements to 76 automatic highway warning crossing systems, 19 new wayside signal locations and 12 new interlockings. All the work on this line was conducted under rail traffic. As senior project engineer, Mike also led negotiation efforts to resolve multiple disputes and claims against the owner.
07/11-06/14	Florida DOT D5, I-4 Ultimate Project, Orlando, Florida Resident engineer for the construction oversight services consultant contract who managed a large staff of compliance managers and auditors to administer the design and construction period of this \$2.3B P3 contract. The project involved 21 miles of wholesale improvements to the I-4 corridor. The primary scope of the COS consultant was to ensure concessionaire compliance with the concession agreement through the use of a Risk Based Audit Plan and Requirements Verification Database. The project included the reconstruction of I-4 to accommodate in each direction, three general use lanes, auxiliary lanes and two tolled express lanes. The project effected more than 17 existing interchanges and required the replacement or reconstruction of 144 bridges including the build out of SR 408 to its ultimate configuration between Delaney Avenue and just west of Tampa Avenue. As resident engineer, Mike also led negotiation efforts to resolve multiple disputes and claims against the owner, including representing FDOT in Dispute Review Board hearings.

Michael Gwynne

<p>01/11-08/11</p>	<p>PANYNJ, Goethals Bridge Replacement, Newark, New Jersey Senior project engineer who led the RFQ and RFP development team for this proposed \$2.8B P3 HSR project between Tampa and Orlando. His duties included drafting the RFQ and project information memorandum, and drafting the RFP and coordination of narrative development with legal, civil, structural, rail, architectural and environmental disciplines. He also served as the statement of qualifications expert and was a member of the project risk assessment team and technical review expert panels. HNTB served as the program management consultant for the preliminary engineering and procurement document preparation for a proposed HSR system linking Tampa to Orlando. The rail design allowed speeds greater than 186 mph while traveling between stations located in downtown Tampa, Lakeland, Walt Disney World, International Drive and the Orlando International Airport.</p>
<p>05/09-05/10</p>	<p>Florida DOT D4/Concessionaire, I-595 Corridor Improvements DB, Ft Lauderdale, Florida Concessionaire CEI senior resident engineer responsible for developing CEI processes and procedures to comply with the requirements of the concession agreement. This 11-mile, \$1.2B DB project included the reconstruction and addition of auxiliary lanes on the I-595 mainlane as well as the associated ramps and SR 84 eastbound and westbound frontage roads. The project provided reversible express variable toll lanes in the I-595 median, with access provided just west of 136th Avenue, east of SR 7 and a direct connection to the Florida's Turnpike median. Mike led the development of CEI staffing, materials testing and acceptance program, inspection program, project controls and setup of CEI staff offices. He worked with both the FDOT oversight CEI and the concessionaire to establish project communications protocols, and planned and organized the work of subordinate CEI staff during early phases of construction. He reported to the concessionaire daily and interacted with FDOT and their oversight CEI frequently. HNTB performed CEI for the concessionaire on this P3 between D4 and the concessionaire consortium, I-595 Express, LLC.</p>

16. Staff Experience

Firm employed by: **HNTB**



Name	Ronald Hancock, PE	Years of relevant experience with this employer	3
Title	National Practice Consultant	Years of relevant experience with other employer(s)	30

Degree(s) / Years / Specialization	BS / 1991 / Civil Engineering		
Active registration number / state / expiration date	PE: #21659 / NC / 12-31-2024		
Year registered	1996	Discipline	Civil
Contract role(s) / brief description of responsibilities	Design Build		

Ronald is an infrastructure consultant focused on leveraging over 30 years in the transportation industry to support state departments of transportation. Prior to HNTB, Ron was deputy chief engineer at the North Carolina DOT, where he led the delivery efforts for complex procurement and construction projects as well as efforts to maintain an 80K-mile highway network. He also served as state construction engineer and various other leadership positions for North Carolina DOT and managed contract administration efforts statewide providing constructability guidance and dispute resolution support on complex projects for over 21 years.

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).
09/21-Ongoing	North Carolina DOT US 421 Greensboro-Randolph Megaproject (CM/GC) Greensboro, North Carolina Senior technical advisor for this fast-tracked CM/GC economic development project. The project consists of mass grading for site development and construction of two new interchanges and access roads to support the Toyota Battery Manufacturing facility. This \$600M project is being delivered in two years utilizing CM/GC to allow early work packages to start while design is still underway.
06/22-08/23	Arkansas DOT I-40/I-55/Highway 77 Interchange Improvements (PDB), West Memphis, Arkansas Advisor who is helping the team through the PDB process. The project involves developing solutions for a complex interchange because of substantial recurring delays during peak hours when traffic in all directions stops for trains at railroad crossings in the project area. This is ARDOT's first project using PDB delivery.
09/19-09/21	North Carolina DOT Kingsboro Mega Site Development, Rock Mount-Edgecombe County, North Carolina Deputy chief engineer for NCDOT, who led procurement and price negotiations for this first PDB project administered by NCDOT. The \$40M project involved construction of an access road on new location and grading, drainage, and utility installation for site-ready building pad on 300-acre site, railroad spur line and paved parking for a global tire manufacturing plant.
09/17-09/18	North Carolina DOT Development of CM/GC Process, Statewide, North Carolina Deputy chief engineer who led efforts to gain enabling legislation to allow NCDOT to use CM/GC as a contract delivery method. Chaired a committee of NCDOT staff, Carolinas AGC and ACECNC to develop project selection and procurement guidelines for CM/GC. Selected the first highway-specific pilot project to replace five bridges on I-40 in Haywood County near the NC/TN border and secured the design firm for this project which is currently under contract for Phase 1 construction.
09/14-10/15	North Carolina DOT I-85/I-485 Interchange, Mecklenburg and Cabarrus Counties, North Carolina State construction engineer who led development of this first DB finance procurement for NCDOT and contract development terms regarding third party financing to allow the project to be awarded on an accelerated schedule. The \$100M interchange was the last link to complete the 67-mile I-485 loop around Charlotte, North Carolina. Also using the "Alternate Technical Concepts process", approved replacement of the preliminary four-stacked interchange design with a two-level turbine interchange. This innovative design saved over \$25M.

16. Staff Experience

Firm employed by: **HNTB**



Name	Dal Hawks, PE	Years of relevant experience with this employer	13
Title	Vice President, Senior Project Manager	Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization	BS / 1985 / Civil Engineering		
Active registration number / state / expiration date	PE: #172965-2202 / UT / 03-31-2025		
Year registered	1990	Discipline	Civil
Contract role(s) / brief description of responsibilities	CMAR/Progressive DB (PDB)		

Dal joined HNTB after retiring from the Utah DOT with 26 years of service. He is part of HNTB’s national program management team and serves as project manager on large programs and provides alternative delivery support on a variety of programs. Since 2011, as part of HNTB’s national program management/construction management team, Dal has provided advisory services for offices and clients involved in or considering CMAR 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).
02/15-Ongoing	Georgia DOT, Major Mobility Investment Program, Atlanta Georgia Deputy post-let director for Georgia’s MMIP program that will deliver a multi-billion-dollar group of projects to expand the express lane system in Atlanta and improve other regionally significant corridors via DB, P3, or other alternative delivery methods. Dal is leading the post-let team charged with providing consistent and fair contract administration services for projects in the construction phase. Fourteen projects are in construction with a combined value over \$2B. His team of commercial business leads and other SMEs support and assist project managers in resolving challenging issues, disputes, and potential claims that arise during project delivery.
02/15-02/15	LADOTD Retainer Contract for DB and Other Alternative Delivery Support Services, TO #1, Retainer Contract for DB and Other Alternative Delivery Support Services, Baton Rouge, Louisiana For Task 1 of this program, Hal provided strategic advisory services as SME to write the policies and procedures for the LADOTD’s CMAR program. He led a group of SMEs to develop and present a two day workshop on CMAR. The workshop reviewed the CMAR project delivery model and outlined lessons learned and best practices from other states with specific case studies. The interactive workshop set the stage for implementing CMAR with discussions on selecting appropriate projects, procuring professional and construction services, negotiating price, and administering and delivering the work.
02/01-02/08	Utah DOT, CMAR Delivery, Statewide, Utah Regional director for UDOT, where he helped develop UDOT’s approach to CMGC (CMAR) delivery and oversaw the implementation of the delivery model on several projects in the fast growing area of St. George, Utah, including the I-15 Milepost 4 interchange, a new \$30M single point urban interchange connecting I-15 to the Southern Parkway; Western segments of the Southern Parkway valued at approximately \$50M extending a new four lane parkway toward the St. George airport; and a \$10M widening of SR-18 North of St. George from two to four lanes to accommodate new developments in the area.
09/15-09/21	Utah DOT, I-15 Technology Corridor, Program Management, Lehi Main Street to SR-92, Utah Project manager providing program management consulting services to UDOT to deliver a \$450M DB project to reinvent and reconstruct I-15 between Lehi Main Street and SR-92. Dal led the team through a traffic analysis phase, environmental re-assessment phase and DB procurement phase, with the DB contractor selected in November 2017. He led the team in the contract administration and construction oversight phase. The innovative project created a new network of one-way frontage roads and interchange connections to I-15 in a rapidly growing commercial center. The project will expand I-15 mainline, re-construct interstate interchanges, enhance local street capacity and provide active transportation improvements. Construction was completed in 2021.

16. Staff Experience

Firm employed by: **HNTB**



Name	Timothy Heilmeier, PE	Years of relevant experience with this employer	31
Title	Vice President, Division Operations Officer	Years of relevant experience with other employer(s)	N/A

Degree(s) / Years / Specialization	BS / 1990 / Civil Engineering		
Active registration number / state / expiration date	PE: #22550 / Georgia / 12-31-2024		
Year registered	GA 1996	Discipline	Civil
Contract role(s) / brief description of responsibilities	Public-Private Partnership (P3)		

Tim Heilmeier serves as a vice president, senior project manager, program director and senior advisor for innovative and mega transportation projects. He has advised clients regarding alternative project delivery and innovative transportation concepts throughout the nation. Tim has over 33 years of experience related to surface transportation and has spent the last 25 years working in the field of innovative project delivery, including both P3 and DB.

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).
01/03-Ongoing	Georgia DOT, I-85 High Occupancy Vehicle (HOV), Gwinnett and Barrow Counties, Georgia Project manager on this GDOT managed lane project along I-85 northwest of Atlanta. The project includes the addition of a single (each direction), managed lane along a combined 15 miles of I-85 and I-985. The project includes the reconstruction of the I-85/I-985 system-level interchange and will include managed lane system-to-system connections. Activities include management, concept development, preliminary plans, toll design, traffic and revenue forecasting, development of the toll concept of operations, NEPA, public outreach and DB procurement support.
04/04-01/13	Georgia DOT, Innovative Program Delivery (IPD) Support, Atlanta, Georgia Project manager and program director in support of the GDOT Office of IPD contract. Continuously serves as the leader of HNTB's GDOT IPD support contract since 2004, overseeing the development, procurement and implementation of various DB, toll and managed lane projects, and the technical and management support of the GDOT P3 program. Leads the HNTB team in support of GDOT in various capacities, including policy, planning, design, permitting, communications, outreach, government relations, traffic and revenue, finance, management, negotiations, cost estimating, construction support and O&M forecasting. Highlighted specific efforts include technical, strategic, policy and management support of the procurement of the \$1B I-75/I-575 Northwest Corridor P3 project including NEPA oversight, development of technical/performance specifications, development of toll design, concept of operations, toll pricing model and Toll Services Agreement (TSA); studies and preparation of policy and white papers related to tolling, managed lanes and alternative project delivery; development of a Managed Lane System Plan (MLSP) for the Atlanta Metro region to provide a feasible, financeable implementation plan for managed lanes throughout Metro Atlanta limited access facilities; P3 procurement support on the Multi-Modal Passenger Terminal (MMPT) and the Rest Area/Welcome Center projects; preparation of Federal applications including Tolling Expression of Interest (EOI), the Northwest Corridor Express Lanes Demonstration Program (ELDP) application and the 2010/2011 TIFIA application for the Northwest Corridor; programmatic and individual project management support on GDOT's growing DB program including development of a DB manual and DB strategic plan; technical and management support of the GDOT Unsolicited Proposals; and developed and implemented a candidate P3 project identification, screening and prioritization process to proactively address the statutory requirements of SB 200 (2009).
12/08-08/09	Mid-Currituck Bridge, NCTA, Currituck County, North Carolina Senior project advisor on the development and procurement of this 7-mile, \$600M new location bridge connecting the North Carolina mainland to the Outer Banks. The project is slated to be North Carolina's first P3 and will be a DB-finance-operate-maintain (DBFOM) and procured as a long-term concession.

16. Staff Experience

Firm employed by: **HNTB**




Name	Mark Hoffa	Years of relevant experience with this employer	16
Title	Toll Consultant	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		BE / 1990 / Electrical Engineering	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities		Toll Policy & Technology	

Mark has 32 years of experience providing tolling support services, including planning, design, development, and project management services, in the transportation industry with a special emphasis on toll systems implementation, operations and maintenance. His background focuses on tolling CSCs, back-offices, and AET facilities (including managed lanes). He offers a unique perspective since he has served as both a consultant for numerous toll authorities as well as a systems provider/integrator.

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).
07/17-06/22	LADOTD, Retainer Contract for Trust Indenture Services and Engineering Services for LA 1 Toll Facilities, Leeville, Louisiana Toll advisor supporting the outsourcing of the existing roadside and back-office toll collection systems and operations to a private contractor. This includes converting the open road and cash collection plaza to an AET facility, assessing impacts to future revenues, contractor oversight, review of technical documents for contract compliance, and general toll advisory services.
06/20-Ongoing	LADOTD, I-12 Managed Lanes, Baton Rouge, Louisiana Tolling advisor who supported the development of the technical documents, and business rules and assisted LADOTD with policy requirements to support enabling legislation. Phase 1 of the I-12 Managed Lane Conversion P3 project includes converting the existing inside shoulders of I-12 east and west to HOV lanes for approximately 16 miles beginning at the I-10/I-12 split in East Baton Rouge Parish and continues to a point east of the I-12/LA 447 interchange. The P3 contract required the development of an innovative, turnkey occupancy registration and verification system to manage HOV use and performance of operation and maintenance, including public outreach activities and enforcement. Mark completed the technical provisions and assisted in procurement activities. LADOTD elected to cancel the P3 procurement and re-advertise selecting a vendor to provide, install and manage the HOV technology.
03/15-10/17	LADOTD Baton Rouge Urban Mobility Plan (BUMP) Toll Project, Baton Rouge, Louisiana Tolling advisor who was responsible for supporting the tolling and financial components of a feasibility assessment for an unsolicited P3 project proposal. HNTB assisted the LADOTD in the review of an unsolicited P3 proposal to evaluate the technical engineering aspects, toll revenue potential and financial feasibility.
04/18-04/21	LADOTD, Belle Chasse Toll Bridge P3 Procurement Services, Plaquemines Parish, Louisiana Tolling advisor for Louisiana's first toll concession P3 project. He supported the development of the technical provisions for tolling on the comprehensive agreement between the state and developer for a new toll bridge and assuming operations and maintenance of the existing LA 1 toll collection system. He also participated in numerous workshops, and reviewed proposer submittals.
04/20-Ongoing	Wisconsin DOT, Interstate Tolling Study Phase 2, Statewide, Wisconsin Tolling task lead who is responsible for developing a concept of operations and related cost estimates for Wisconsin to explore tolling various bridges and corridors on WisDOT's interstate highway system. Mark was also involved in the Phase 1 of the Study developing general tolling resource documents, tolling presentations and cost estimates for Wisconsin to explore tolling their interstate highways.

Mark Hoffa

04/18-07/18	Indiana DOT, Statewide Interstate Tolling Strategic Plan, Statewide, Indiana Tolling task lead who was responsible for developing a concept of operations and related cost estimates for Indiana to explore tolling their interstate highways.
12/18-Ongoing	IFA, Ohio River Bridges Toll Services Advisor, Louisville, Kentucky/Southern Indiana Senior tolling consultant who is responsible for leading the audit of the existing toll systems, leading the development of a related risk assessment and supporting on-going operations and system changes. He was also responsible for supporting the development of procurement documents to replace the existing customer service operations and back office systems, specially leading the development of related technical requirements.
04/15-06/18	CTRMA MOPAC Express Lanes Project, Austin, Texas Tolling task lead who was responsible for supporting the development of policies, procedures, and processes and for overseeing the system design, implementation and testing of the mobility authority's managed lanes toll systems.
08/12-04/15	TXDOT Procurement Engineering Service, Austin, Texas Tolling task lead who was responsible for providing cost estimates, developing procurement documents (including technical provisions), bidding instructions and contract provisions, and managing procurement processes for TxDOT's Strategic Projects Division in support of their efforts to procure new toll facilities, managed lanes, and expanding operations throughout the State.
08/11-08/12	TXDOT SH 130 Segments 5&6 Concession Project Toll System Implementation/Integration & Operations, Austin, Texas Tolling task lead who was responsible for providing project management and toll consulting services for the development of tolling business rules, toll system requirements and toll operations requirements for the Toll Operations Division of TxDOT. The \$1.3B-project's primary goal was to support TxDOT efforts to establish TxTag CSC as the service provider for a toll road concessionaire.

16. Staff Experience			
Firm employed by: 			
Name	Ellen B. Howard, PE, PTOE	Years of relevant experience with this employer	8
Title	Senior Project Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering	
Active registration number / state / expiration date		PE: #38207 / LA / 03-31-2026 PTOE #3735	
Year registered	2013	Discipline	Civil
Contract role(s) / brief description of responsibilities		Traffic Engineering and Modeling	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/23-Ongoing	LADOTD Jimmie Davis DB, Bossier and Caddo Parishes, Louisiana Project engineer for traffic analysis, TMP, traffic signal design and safety analysis. This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway and provide associated roadway drainage systems.		
08/20-Ongoing	LADOTD I-10/I-12 at College Drive Flyover Ramp DB, Baton Rouge, Louisiana Project engineer for traffic analysis, TMP, traffic signal design and safety analysis. The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard.		
09/18-12/18	I-20 at 220 Interchange Improvement & BAFB DB Project, Louisiana Engineer for the project which included traffic analysis for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad.		
02/20-Ongoing	I-20 at LA 544 Overpass Replacement, Lincoln Parish, Louisiana QA/QC TMP, and traffic design for this project that will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes a new bridge with a sidewalk over I-20. The entire project limits are complete street complaint which means it provides facilities for all users. Tasks similar to line and grade completed include Establishing design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more.		
09/21-Ongoing	MOVEBR Harding Boulevard at Interstate I-110, Baton Rouge, Louisiana Traffic engineer responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis.		
03/21-Ongoing	MOVEBR North Sherwood Forest Extension, Baton Rouge, Louisiana Traffic engineer responsible for initial and final data collection, existing safety analysis, existing and no-build HCS signal analysis, Chapter 1 and Chapter 2 of final report.		



16. Staff Experience

Firm employed by: **HNTB**



Name	Steven Howe, PE	Years of relevant experience with this employer	21
Title	Senior Project Manager	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	BS / 1989 / Civil Engineering		
Active registration number / state / expiration date	PE: #43173 / MN / 06-30-2024		
Year registered	2003	Discipline	Civil
Contract role(s) / brief description of responsibilities	Design Build		

Steven has experience in program management, contract oversight, design and construction. He has worked with agencies throughout the country on the evaluation, development and implementation of alternative contracting approaches to successfully deliver their most challenging projects. He is an expert in tailoring preliminary project development activities to focus on areas that reduce risk and avoid areas of less value, allowing agencies to spend less money on preliminary design and the DB project. Steven brings significant direct experience as a designer, owner's procurement representative and oversight engineer for design, construction and contract administration. His first-hand experience with challenges experienced on alternative delivery projects, such as managing the intersection between inspectors and the contractor and how to resolve them allows Steven to be ahead of the issues. He has assisted nine agencies with DB for the first time, and 24 different agencies in 16 states with procurement and contracting delivery mechanisms for their projects that include DB, CM/GC and P3.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/22-Ongoing	Hood River White Salmon Bridge Authority, Alternative Delivery Advisor, Hood River, Oregon and White Salmon, Washington Alternative delivery advisor working with the Bridge Authority to provide delivery selection, progressive DB process, procurement and contract documents for this \$520M crossing of the Columbia River. HNTB is the owners representative providing all aspects of program delivery for the Bridge Authority.
05/22-Ongoing	Ohio DOT Brent Spence Bridge Progressive DB Advisor, Ohio Alternative delivery advisor working with ODOT and the Kentucky Transportation Cabinet (KYTC) to provide PDB procurement processes and contract documents for this \$3B Ohio River crossing. The project consists of significant reconstruction of adjacent interstate connections on both the Ohio and Kentucky sides of the Ohio River along with a new signature bridge across the river.
09/19-05/22	PANYNJ, New York, New York Procurement manager serving as the bridge between Port Authority procurement division and the \$15B JFK Redevelopment program. Managing DB, design-bid-build, P3, IDIQ and task order procurements and contracts. Contracts are being used for approximately \$2.7B in airside, landside and facilities improvements that includes a \$1B reconstruction of the roadway and utilities networks.
01/20-01/22	Chicago Transit Authority, Red Line Extension (RLE), Chicago, IL Facilitated project delivery selection process and report preparation for this CTA light rail transit (LRT) project. The project is a planned extension of the Red Line to south Chicago. Facilitated a three-step workshop to determine the preferred way to organize, procure and deliver multiple projects that make up the RLE program. Procurement manager for delivery of the program, managing the development of DB, design-bid-build, task order, work order and professional services contract for delivery of this \$2B program.
01/16-05/20	Minnesota DOT Alternative Contracting GEC, Minnesota Alternative contracting expert for DB and HNTB's project manager on MnDOT's GEC. Provided support to MnDOT's alternative delivery program, including review and comment on manuals and training, input on the process and content for template documents, review of processes, and programmatic input into the risk profile of the program. Steve's personal connections to the alternative delivery leaders in 26 different agencies provided quick access to country-wide alternative delivery practices. In this role, provided substantive input into the reconfiguration of the contaminated materials, roundabout and approach to ITP submittal requirements.

16. Staff Experience			
Firm employed by: HNTB			
Name	Paul Hunter, PE	Years of relevant experience with this employer	12
Title	Electrical Engineer	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		BS / 1993 / Electrical Engineering	
Active registration number / state / expiration date		PE: #45076 / LA / 03-31-2025	
Year registered	2020	Discipline	Electrical
Contract role(s) / brief description of responsibilities		Roadway Lighting Design Task Lead	
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).		
01/23-Ongoing	City of Lawrence South Lawrence Trafficway, Lawrence, Kansas Provided quality review of the plans and served as the engineer of record. The project installed new traffic signals at the following intersections along South Lawrence Trafficway: Wakarusa Dr. & K-10W westbound ramps, Wakarusa Dr. & 27th St, US 69 (Iowa St) & K-10 eastbound ramps, US 69 (Iowa St) & K-10 westbound ramps.		
02/22-Ongoing	Missouri DOT Buck O'Neal Bridge, Kansas City, Missouri Provided quality review of the plans and was the engineer of record. The new bridge over the Missouri River caused the intersection at Broadway & 5th Ave. to be revised. The project also included the design of new traffic signals for the intersection.		
06/22-03/23	West Davis Corridor, Utah Lead electrical engineer and the engineer of record for this project that included lighting for the new West Davis corridor and I-15 interchange. It also included lighting for tunnels in a pedestrian trail and intersection lighting.		
01/13-06/14	Ohio DOT I-90 Innerbelt Bridge DB, Cleveland, Ohio Performed a quality control plan review and was also involved with resolving and incorporating owner comments in the plans. This bridge near downtown Cleveland included roadway lighting, decorative lighting involving fiber optic communications and navigation lighting.		
03/16-01/17	Kansas Turnpike Authority, South Topeka, Kansas Lead engineer on the project which included moving several high mast poles to accommodate a new off ramp alignment. The project also included a new service to an equipment building.		
06/10-06/11	Interstate I-25 Lighting, Colorado Springs, Colorado Designed lighting for interstate, entry ramps, exit ramps, and under bridges. Provisions were made for lighting signs and traffic signals on intersecting roads. Voltage drop calculations were also performed.		
06/17-06/18	LADOTD 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.		
06/17-Ongoing	BNSF Ballard Bridge (Bridge 6.3), Seattle, Washington Lead electrical engineer for the design of the electrical systems of this new double track span drive vertical lift over Salmon Bay. Also, he provided preliminary design of the electrical systems for a new double track single leaf rolling bascule.		



16. Staff Experience

Firm employed by: **HNTB**



Name	Paul Huston, PE	Years of relevant experience with this employer	20
Title	Senior Program Manager	Years of relevant experience with other employer(s)	12

Degree(s) / Years / Specialization MS / 2001 / Infrastructure Systems Engineering
BS / 1992 / Civil Engineering

Active registration number / state / expiration date PE: #57235 / Washington / 05-21-2025 #96233 / Texas / 06-30-2024

Year registered WA 2019; TX 2005 Discipline Civil

Contract role(s) / brief description of responsibilities Program Management

Paul brings experience from over 30 years as a program and project manager leading multi-disciplinary teams and delivering transportation projects around the country. Paul works collaboratively with public agencies and stakeholders to develop and implement innovative delivery strategies that achieve successful project outcomes.

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-Ongoing **City of Seattle Waterfront Seattle Program Construction Management, Seattle, Washington** Program manager of the HNTB-led joint venture construction management team for the City's transformation of the Seattle downtown waterfront. The team includes nearly 50 staff from the JV members and ten subconsultants, including many who work from a co-located office with the City's program leaders. The \$350M Waterfront Program includes 10 separate design-bid-build and CM/GC contractor projects phased over a six-year construction period. Paul is overseeing the JV team's performance, roles and processes, contracting, budgeting, invoicing and staffing.

09/22-06/23 **Hood River-White Salmon Bridge Replacement Project, Port of Hood River, Oregon** Delivery methods lead for this \$500M project to replace the existing Hood River Bridge over the Columbia River. Paul led the team's efforts with the Port of Hood River to conduct industry outreach, evaluate potential delivery methods and develop final recommendations. In January 2023, the Port Commission approved implementation of the recommended progressive DB delivery method.

10/20-12/22 **Seattle DOT Planning and Design for the Replacement of the West Seattle High Bridge, Seattle, Washington** Project manager for an HNTB-led team that worked with SDOT to plan and design the replacement of the City's West Seattle High Bridge. HNTB developed preliminary design, funding and delivery options for a future replacement of the existing 450-foot span over the Duwamish Waterway. Paul managed the scope, schedule, budget, quality and delivery of the multi-disciplinary national team.

09/19-10/20 **Wisconsin DOT SR 9 Project Development, Washington** Project manager of the HNTB-led team working with WSDOT to widen State Route 9 and add a new \$140M bridge crossing the Snohomish River north of Seattle. Initially planned as a DB project, WSDOT changed the delivery method to design-bid-build during Paul's time on the project. Paul's specific roles included communicating project goals and details in public stakeholder presentations and meetings, collaborating with WSDOT through phases of risk assessment, delivery method consideration, environmental study and preliminary design; and managing consultant team resources to deliver expected work products.

12/16-08/18 **San Bernardino County Transportation Authority (SBCTA), I-10 Toll Express Lanes DB Project, San Bernardino County, California** Project manager of SBCTA's Project and Construction Management team for a \$700M DB project that will widen 11 miles of existing freeway and introduce new toll express lanes to the County. Paul led a team of HNTB and ten subconsultant firms working collaboratively as one team with SBCTA and Caltrans to procure separate but coordinated DB and toll services contracts and conduct associated utilities coordination, surveys and ROW acquisition for roadway and toll system infrastructure. Paul led SBCTA's team in over two dozen one-on-one meetings with DB contractors to discuss draft contract documents and identify mutually agreeable changes to the documents prior to proposal submittal. This best value maximum price DB procurement was the first such process for SBCTA. He also led development of the Project Management Plan and Initial Finance Plan.

16. Staff Experience

Firm employed by: 



Name	Robert Jewell, PE	Years of relevant experience with this employer	17
Title	Project Engineer/Branch Manager	Years of relevant experience with other employer(s)	N/A

Degree(s) / Years / Specialization	BS / 2009 / Civil Engineering		
Active registration number / state / expiration date	PE: #38579 / LA / 09-25-2024		
Year registered	2013	Discipline	Civil
Contract role(s) / brief description of responsibilities	Field Investigations/Lab Testing		

Robert serves as the manager of our Baton Rouge office and as project manager for various geotechnical engineering projects which include analyses such as pile and drilled shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. 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.

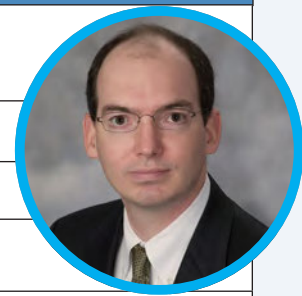
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/18-06/21	LADOTD Chef Menteur Pass Bridge & Approach, Orleans Parish, Louisiana Project engineer who helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. He also helped develop the soil boring logs and preparation of the data report.
10/18-01/19	LADOTDI-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 DB project which provides direct access to I-20 from the Base and constructing an interchange and access road from I-20. He oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring.
03/19-07/20	LADOTD I-10 Widening (LA 415 to Howard Street), East Baton Rouge Parish, Louisiana Project engineer who co-managed all aspects of the geotechnical investigation in support of the widening of the east and westbound lanes, elevated structures, and construction of interchange and ramps on westbound lanes along I-10 between LA 415 and Howard Street. The geotechnical investigation will include 58 deep borings and 11 cone penetrometer soundings, field resistivity testing, and associated laboratory testing and the preparation of a geotechnical data report.
07/21-Ongoing	LADOTD 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 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.
09/20-Ongoing	LADOTD College Dr Flyover Ramp I-10 / I-12: Baton Rouge Parish, Louisiana Project engineer who helped oversee review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFIs.
02/20-Ongoing	LADOTD Design Support Services LA 23, Belle Chasse Bridge & Tunnel: Plaquemines Parish, Louisiana Project engineer who helped oversee review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFIs.

Robert Jewell

04/21-Ongoing	LADOTD Rural Bridge Initiative Phase 2: 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	LADOTD I-10 Calcasieu River Bridge: Calcasieu Parish, Louisiana Project engineer who leads the technical review of all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity 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.
07/15-Ongoing	LADOTD I-49 Connector (Lafayette Regional Airport TO I-10/I-49/US 167 Interchange): Lafayette Parish, Louisiana Project manager who oversees the Phase 1 geotechnical investigation, which included 116 deep and shallow soil boring, and 15 CPT soundings. The design was for the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. Robert will be the co-principal for developing the Geotechnical Investigation and Design Report to be developed for this project. In addition, he will also oversee and coordinate the Phase 2 field and laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings.
04/14-05/23	LADOTD 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 also oversaw the construction phase which included dynamic testing and settlement monitoring.
10/14-12/16	LADOTD I-10 Widening (E. Junction I-49 to LA 328): St. Martin Parish, Louisiana Project engineer who oversaw and coordinated the geotechnical investigation which included 44 deep borings and 25 cone penetrometer (CPT) soundings, associated laboratory testing, and preparation of a geotechnical data report for the widening of the nine existing structures along I-10 between I-49 to LA 328 spanning approximately 7 miles.
07/09-08/11	LADOTD LA 1 Phase 1, Lafourche Parish, Louisiana Assistant project engineer who served in the field as on-site geotechnical engineer during construction for this project in southeast Louisiana. He conducted dynamic monitoring using the Pile Driving Analyzer, performed CAPWAP analyses, reviewed drive logs, and supervised field technicians.

16. Staff Experience

Firm employed by: **HNTB**



Name	Chris Kopp, AICP CTP	Years of relevant experience with this employer	14
Title	Transportation Planning Practice Leader	Years of relevant experience with other employer(s)	14

Degree(s) / Years / Specialization MS / 1997 / Civil Engineering
BA / 1994 / Architecture

Active registration number / state / expiration date AICP: 016227

Year registered 2000 Discipline Planning

Contract role(s) / brief description of responsibilities Grant Applications and Benefit Cost Analysis

Chris brings more than 28 years of experience managing a wide variety of planning studies, most recently helping states and regions develop transit system visions and corridor plans. Chris has conducted economic and financial analyses of proposed projects and investment programs and advised transit agencies as they explore strategic issues related to funding, governance and program implementation. He has prepared documentation for \$2B worth of federal discretionary grants. He has advised more than 20 transit agencies on financial issues, giving him an understanding how public transportation builds more sustainable and livable communities and the issues agencies face when implementing new rail or BRT 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).

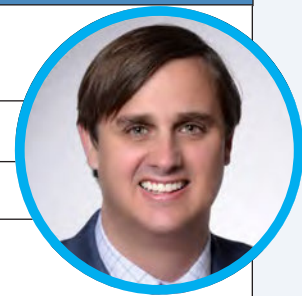
11/19-02/20 **LADOTD LA 1 Bridge Phase 2 INFRA Grant, Golden Meadow to Leeville, Louisiana** Economics lead for the development of a grant application, benefit-cost analysis and economic impact assessment for elevation of a roadway connecting the mainland with a major port serving the Gulf of Mexico oil and gas industry. The robust, defensible and well documented benefit-cost analysis results were unchallenged by USDOT reviewers and a key contributor to the project's success in the competitive federal grant program. The project was awarded an INFRA grant of \$135M in 2020, the largest award in the annual funding round.

01/19-Ongoing **CTA Red Line Extension (RLE) Program Management Services, Chicago, Illinois** Financial planning lead positioning the project to compete in the FTA New Starts process through the project development phase. Responsibilities include competitive grant strategy, local value capture financing revenue estimation, funding risk management and preparation of Request for Entry into Engineering. HNTB provides program management services for the CTA RLE project, a proposed 5.6-mile heavy rail rapid transit extension of the Red Line on Chicago's Far South Side, with a total project cost of approximately \$2.5B. The project will construct four new stations that feature bus connections and parking facilities and provide a modern, efficient car storage yard and shop facility. RLE is one part of CTA's Red Ahead Program to extend and enhance the entire Red Line.

10/18-09/22 **Metra Strategic Capital Planning, Chicago, Illinois** Project manager for a task order contract to provide project development, grant application support, project feasibility analysis, fare policy analysis, capital and operating cost estimates, ridership and revenue forecasting, benefit-cost analysis, Title VI/Environmental Justice equity analysis, cash flow scenarios and other services. Tasks have included development of discretionary federal grant applications that have yielded more than \$30M for Metra projects. Chris also developed a feasibility study for a proposed regional rail service between downtown Chicago and Chicago-O'Hare International Airport that evaluated competitiveness under a range of FTA and FRA funding programs.

04/16-10/17 **Florida DOT Assessment of Impacts of Shared Autonomous Vehicles on Fixed Route Transit Systems Statewide, Florida** Task manager for an analysis of selected transit routes in Florida under competition with transportation network companies (TNC) and future autonomous vehicle (AV) taxi services. Using a financial/economic model, the study explored the ridership and cost threshold at which shared AV taxi services could disrupt fixed route bus services under a range of transit cost, route productivity and shared AV fare assumptions.

16. Staff Experience			
Firm employed by: 			
Name	Laurence Lambert, PE, PTOE, PTP	Years of relevant experience with this employer	8
Title	Supervisor - Engineering	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		PE: #29901 / LA / 3-31-2026	
Year registered	2001	Discipline	Civil
Contract role(s) / brief description of responsibilities		Traffic Engineering Task Lead; Traffic Engineering and Modeling	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/19-Ongoing	MOVEBR New Capacity Projects Program Management, Baton Rouge, Louisiana Engineer who worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. He and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. He also provided peer review for the traffic studies for Ben Hur Road and Lee Drive.		
06/23-Ongoing	LADOTD Connected & Autonomous Vehicles (CAV) Team and Working Group Support, Louisiana Engineer who is a member of the team to develop new policies and legislation related to CAV.		
04/18-12/21	LADOTD LA 30 Roundabouts at Tanger & I-10 Gonzales, Ascension Parish, Louisiana Quality control reviewer of the temporary construction and sequence of construction plans. Vectura also provided quality control review of signing and striping plans at 30% and 60% 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	LADOTD US 171 at Boone Street Roundabout, Vernon Parish, Louisiana Quality control reviewer of the temporary construction and sequence of construction plans. Vectura also provided quality control review of signing and striping plans at 30% and 60% 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	LADOTD 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 DOTD was required. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle/pedestrian/transit observations.		
01/23-02/24	LADOTD 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.		
10/21-03/22	LADOTD I-10 ITS Scott to Lake Charles, Louisiana Lead traffic engineer for a Level 2 Traffic Management Plan (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.		



16. Staff Experience

Firm employed by: **HNTB**



Name	Helen Landi	Years of relevant experience with this employer	1
Title	Senior Associate - Advisory	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		BS / 1984 / Early Childhood Education	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities		Policy, Feasibility & Financial Evaluations	

Helen is a Senior Associate in HNTB’s national advisory practice, providing representative consulting services to public sector agencies seeking to deliver major infrastructure programs. She provides policy and strategic to public owner organizations and is experienced in legislative and agency process management. She has experience in developing administrative code, board policy and procedures, and creating pathways to link legislation and or code to agency operations. She has served as the point on audits and compliance reviews coordinating the workflow between the agency and the audit team.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/23-Ongoing	Tennessee DOT, Tennessee Statewide Congestion - Transportation Modernization Board, Nashville, Tennessee Working the TDOT Office of General Counsel to develop bylaws, policies, and procedures for the newly created Transportation Modernization Board. Research included Tennessee Ethics, Open Meeting and Transportation statutes, 2023 new or updated legislation, and comparative analysis across other states. Development included multiple rounds of drafts and confirmation that the language was consistent with Tennessee law and the goals of the client.
10/23-Ongoing	North Carolina DOT, Strategic Services, Raleigh, North Carolina APA and Rule-making, Strategic Plans and Policy: Working with the NCDT to prepare for the legislatively mandated Periodic Review of Rules. This is a multi-year project that will ultimately include the evaluation of 650+ administrative rules and their following readoption or repeal. Helen will support the agency on process compliance with is set out in the NC Administrative Procedure Act, organization of public notice and comment, amending rule language, fiscal notes and meetings with the Rules Review Commission. NCDT P3 Policies: Working with Advisory and agency staff to update the P3 policies and incorporate statutory changes to ensure Board of Transportation approval. Agency Strategic Plan: Working with the agency staff and other contractors to develop and implement an updated strategic plan. Research regulations, statutes, polices etc that are applicable to agency decision-making and operations.
01/11-03/23	North Carolina DOT, Raleigh, North Carolina Liaison for the Offices of the Chief Operating Officer and the Office of the General Counsel and Interagency Director/ Governance Deputy Director/Rule-making Coordinator. Helen ensured open communication across leadership by providing standardization, accessibility, disposition, coordination, and currency to the documents that govern how the Department carries out its operations. Served as point on statutorily required performance audits by assigning teams, directing activities, ensuring communication between NCDOT staff and audit team, and coordinating reviews and responses. Served on various committees/ task forces including Financial Planning Committee, Human Resources Work Force Committee, Legislative Review Committee, Industry Committee.
01/15-10/21	North Carolina DOT, Legislatively Mandated Review and Re-adoption of Agency Administrative Code, Raleigh, North Carolina Interagency director/project lead who worked across the Agency to review and either repeal or readopt Title 19A NCAC Transportation of the NC Administrative Code. When necessary, oversaw technical updates and fiscal impacts statements. During the project, over 700 rules were reviewed, and all mandated deadlines were met.

16. Staff Experience

Firm employed by: **HNTB**



Name	Collins Landry	Years of relevant experience with this employer	5
Title	Senior Field Representative	Years of relevant experience with other employer(s)	34
Degree(s) / Years / Specialization	HS / 1983 / Agricultural Education		
Active registration number / state / expiration date	NA		
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities	Utility Relocation Support		

Collins has more than 30 years of experience in state government, with extensive experience in utility relocation and permitting and roadway inspection. Throughout his career, he has been responsible for management of projects and coordinating utility relocation for LADOTD on over 100 road projects covering all of District 61. He has coordinated utility relocation in nine parishes and has extensive networking with contacts from across the nation.

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).
03/21-Ongoing	<p>East Baton Rouge Parish, MOVEBR Capital Improvement Program: East Baton Rouge Parish, Louisiana Senior utility coordinator for this \$800M roadway capacity improvement program, Collin is managing utility coordination for the following projects in the program:</p> <ul style="list-style-type: none"> • South Choctaw, Flannery to Central Thruway - Utility coordinator on all road construction involving utilities. He is managing all utility agreements and light and relocation plans; reviewing all construction plans to determine what utilities are in conflict; and reviewing all invoices and back up data prior to submittal for payment. (03/21-Ongoing) • McHugh Road, Groom Road to Lower Zachary - Utility coordinator on all road construction involving utilities. He is acquiring construction plans to determine what utilities are in conflict and reviewing all invoices and back up data prior to submittal for payment. (06/21-Ongoing) • Mall of Louisiana - Utility coordinator on all road construction involving utilities. He is acquiring all utility agreements, light and relocation plans, reviewing all construction plans to determine what utilities are in conflict, reviewing all invoices and back up data prior to submittal for payment, and coordinating with the City of Baton Rouge Survey crew to stake out the ROW and putting station stakes out. (06/21-Ongoing) • Jefferson at Bluebonnet Intersection Improvement - Utility coordinator on all road construction involving utilities. He is acquiring all utility agreements, light and relocation plans, reviewing all construction plans to determine what utilities are in conflict, and reviewing all invoices and back up data prior to submittal for payment. (06/22-Ongoing) • Midway Piccardy to Constantine - Utility coordinator on all road construction involving utilities. He is acquiring all utility agreements, light and relocation plans, reviewing all construction plans to determine what utilities are in conflict, and reviewing all invoices and back up data prior to submittal for payment. (06/21-Ongoing) • Constantine Phase 2 Midway to Bluebonnet - Utility coordinator on all road construction involving utilities. He is acquiring all utility agreements, light and relocation plans, reviewing all construction plans to determine what utilities are in conflict, and reviewing all invoices and back up data prior to submittal for payment. (06/21-Ongoing) • Old Hammond Highway Seg. 1 - Utility coordinator on all road construction involving utilities. He is acquiring all utility agreements, light and relocation plans, reviewing all construction plans to determine what utilities are in conflict and reviewing all invoices and back up data prior to submittal for payment. (08/21-Ongoing) • Old Hammond Highway Seg. 2 - Utility coordinator on all road construction involving utilities. He is acquiring all utility agreements, light and relocation plans, reviewing all construction plans to determine what utilities are in conflict and reviewing all invoices and back up data prior to submittal for payment. (06/22-Ongoing)

16. Staff Experience

Firm employed by: **HNTB**




Name	Bobby Lewis, PE	Years of relevant experience with this employer	3
Title	National Practice Consultant	Years of relevant experience with other employer(s)	25

Degree(s) / Years / Specialization	BA / 1995 / Civil Engineering		
Active registration number / state / expiration date	PE: #026992 / NC / 12-31-2024		
Year registered	2001	Discipline	Civil
Contract role(s) / brief description of responsibilities	Strategic Advisory		

Bobby is an infrastructure consulting executive focused on leveraging his 28 years of public sector transportation service to support state departments of transportation. Prior to HNTB, Bobby was Chief Operating Officer at North Carolina DOT, where he was responsible for overall operations and strategy for the department, managing an 80,000-mile highway network and an annual budget of \$5.8B. At North Carolina DOT, he led the effort to secure legislative authority for the state’s largest transportation revenue bond authorization totaling \$3B and drove several initiatives to streamline the DOT’s operations and project development processes. He was instrumental in the Strategic Transportation Initiative Act that prioritized the capital program through a data-driven process.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/20-04/22	LADOTD Data Governance Review, Baton Rouge, Louisiana Provided strategic and policy advisory services on the data governance along with recommendations on data organization structure.
02/21-Ongoing	Georgia DOT, MMIP, Atlanta, Georgia Express lanes strategic lead who provided strategic support for the \$15B SR 400/I-285 P3 Express Lane. Provided financial advisory support for two DBF \$1.5B I-285/I-20 Interchange projects. Provided financial advisory support for the DBFM \$1.5B I-75 Commercial Vehicles Lanes.
03/22-Ongoing	Tennessee DOT Alternative Delivery and Financing Review, Statewide, Tennessee Provides strategic and policy advisory services for program identification improvement to delivery options and revenue opportunities.
03/22-Ongoing	Tennessee DOT I-24 Southeast, Nashville, Tennessee Provides strategic and policy advisory services for TDOT’s first demand risk \$2B P3 Choice (Manage) Lane project.
01/22-Ongoing	North Carolina DOT Comparative Analysis for Toll Projects Statewide, North Carolina Leading the advisors on comparing the a public sector operated toll project with a privately operated project. Projects under evaluation include: Mid-Currituck Bridge (\$1B), Cape Fear Memorial Bridge Replacement (\$500M) and I-77 South Express Lanes (\$5B). Bobby is also managing the financial, technical and legal advisors through this analysis.

16. Staff Experience			
Firm employed by: 			
Name	Ross McGillivray, PE	Years of relevant experience with this employer	27
Title	Senior Consultant	Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization	MS / 1968 / Civil Engineering BCE / 1966 / Civil Engineering		
Active registration number / state / expiration date	PE: #17920 / FL / 02-28-2025		
Year registered	FL 1998	Discipline	Civil
Contract role(s) / brief description of responsibilities	Geotechnical Engineering		
<p>As a principal engineer working from the Tampa office of Ardaman, Ross provides technical review and consultation on projects involving building and bridge foundations, geotechnical and materials engineering for port facilities, pavement systems, earth structures, surface mining, ground water hydrology and sinkhole evaluation and remediation. He has provided engineering review or design on projects with Ardaman offices in Florida as well as for offices in Baton Rouge and New Orleans, Louisiana. He managed the operations of the soil mechanics laboratory as a Research Engineer at MIT from 1968 to 1970, and conducted research into the behavior of soil and soil-like industrial waste products while at MIT. He worked as a staff engineer on projects in North Carolina, Florida, Alaska and Venezuela for Lambe & Associates, Inc. of Cambridge, Massachusetts, including the evaluation of soil stability and anchor capacity for a large retaining wall for the Parque Central' project in Caracas, Venezuela and the development of a permafrost and soil mechanics laboratory in Anchorage, Alaska. Ross was the branch geotechnical and materials engineer for Pittsburgh Testing Laboratory's Tampa Florida branch office where he supervised the completion of site exploration programs for building foundations and designed earthen dams to contain waste clay tailings from phosphate processing from 1972 to 1974. He founded ARMAC Engineers, Inc. in 1975, working on building foundations, sinkhole evaluation and remediation, mine slope stability and earthen dam projects. He joined Ardaman & Associates, Inc. in 1996 as a senior engineer, working on mining, building foundation and bridge foundation projects.</p>			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
09/01-11/01	<p>LADOTD I-10/12 Sounds Walls, Wall 6 Design Lateral Load Test on Drilled Shafts/Sounds Wall Shaft CLS Evaluation, Baton Rouge, Louisiana Principal engineer who performed a re-design for the drilled shafts supporting the I-10/I-12 sound wall system, and performed an instrumented lateral load performance on a 48-inch diameter drilled shaft. The results of the load test compared analyses performed with Standard Penetration Test Boring Data to analyses performed with Cone Penetrometer Test sounding data. He also evaluated the results of Cross-Hole Sonic Log tests on installed drilled shafts and developed repair procedures when drilled shafts were shown to have CSL detected flaws. The repair procedures were accepted by LADOTD for the project.</p>		
07/15 -Ongoing	<p>LADOTD I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange, Lafayette Parish, Louisiana) Senior geotechnical consultant who is helping in the review all of the geotechnical design including deep foundations, lateral load analyses, earth retaining structures in support of the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. He will help with review and preparation of the Phase 1 preliminary Geotechnical Design Report.</p>		
02/20-Ongoing	<p>LADOTD Design Support Services La 23, Belle Chasse Bridge & Tunnel, Plaquemine Parish, Louisiana Senior geotechnical consultant who conducted analyses of data from dynamic monitoring of pile driving using the Pile Driving Analyzer, evaluated CAPWAP analyses, reviewed drive logs, performed independent analyses of static pile capacity and analyses of load test data. He also performed independent analyses for MSE Wall Stability and performed independent analyses of pile foundations for the Toll Gantry.</p>		



16. Staff Experience

Firm employed by: **HNTB**



Name	David McMiller	Years of relevant experience with this employer	19
Title	Contracting Manager	Years of relevant experience with other employer(s)	23

Degree(s) / Years / Specialization BA / 1982 / Political Science
BA / 1980 / Anthropology

Active registration number / state / expiration date NA

Year registered NA Discipline NA

Contract role(s) / brief description of responsibilities Risk and Value Engineering

David manages the close out for billion-dollar infrastructure projects focusing on balancing risk, costs, and schedule, while keeping positive relationships between owners, contractors and stakeholders. He has 30 years of experience in managing multi-million-dollar projects from the inception of the scope of design to the completion of construction and project closeout. He excels at coordinating and phasing large infrastructure improvements to minimize impacts to ongoing operations. His program and project management duties frequently involve close coordination with government agencies and regulatory bodies, including local and state government. He is also an expert in contract risk and management of change order and claims. He has a thorough knowledge of and experience with developing and managing owner RFQ and RFP procurement documents meeting federal, state, and local requirements.

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-Ongoing **VTA CP2 Tunnel And Track, Bart Silicon Valley Phase 2 PDB, San Jose, California** Contract manager who is interpreting and enforcing the contract on this \$9.3B PDB project, David is responsible for processing contractor invoices, managing contract terms and conditions, change and amendment packages, and developing and reviewing correspondence. He is reporting to VTA's chief procurement officer and project manager as he evaluates contractor cost proposals and leads the independent cost estimating team. He will be responsible for claim and dispute resolution as the project progresses.

09/21-12/21 **Capitol Corridor Joint Powers Authority (CCJPA), Advisory Services Sacramento To Roseville Third Track Project, Sacramento, California** Risk and contract manager which was part of a team supporting the Authority as they procured the construction contractor. For this major project, he advised on numerous smaller projects as they were procured. He led the development of commercial terms and conditions that were incorporated into the technical specifications of the construction RFP. The language has become a template for all future projects procured by CCJPA. He also provided advice on the risks associated with the project and developed courses of action that CCJPA could use to manage those risks contractually. The RFP was published in late 2022.

08/21-09/21 **New York State Thruway Authority, Governor Mario M. Cuomo Bridge (Tappan Zee Bridge) DB, Tarrytown, New York** Project closeout manager and senior construction claims manager who supported the defense of the \$1B construction claim filed by the construction joint venture. He provided advice regarding the Nossaman DB procurement contract. He also served as the systems component lead, closing out construction of extensive bridge systems and as the project closeout lead where he coordinated and managed project staff, worked with the DB contractor as it related to construction close out, and reviewed quality documents submitted by the cooperative joint venture (CJV). In this role, he worked closely with the commercial manager to reorganize staff and developed strategies for timely responses to the CJV as well as closing out non-conformance reports, and equitable adjustments for the non-conforming work. Closeout was completed by fall 2021.

David McMiller

05/18-10/19	Las Vegas Raiders Stadium DB, Las Vegas, Nevada Claims analyst and advisor support who supported Caltrain's evaluation of the contractor's \$50M construction claim and provided risk assessments to support the executive director and chief manager's go forward board briefing. He provided courses of action to settle a claim brought by the contractor's electrification project. He reviewed documents pertaining to FTA quarterly reports, contractor monthly reports, claim documents, change order requests, and provided a risk register and narrative for each action which was used to show the most viable opportunity that was briefed to the board. He attended board meetings and provided opinions on the best course of action that had been recommended. In December 2021, the board approved a resolution to settle with the contractor for a reduced claim amount and added a shared budget to cover contingencies that were a part of the claim. David continued to support Caltrain as a trusted advisor as the project moved into completion and closeout.
09/21-12/21	CALTRAIN Contractor DB Claim Owner Support, San Carlos, California Claims analyst who supported Caltrain's evaluation of the contractor's \$50M construction claim and provided risk assessments to support the executive director and chief manager's go forward board briefing. He provided courses of action to settle a claim brought by the contractor's Electrification Project. He reviewed documents pertaining to FTA quarterly reports, contractor monthly reports, claim documents, change order requests, and provided a risk register and narrative for each action which was used to show the most viable opportunity that was briefed to the board. He attended board meetings and provided opinions on the best course of action that had been recommended. In December 2021, the board approved a resolution to settle with the contractor for a reduced claim amount and added a shared budget to cover contingencies that were a part of the claim. David continued to support Caltrain as a trusted advisor as the project moved into completion and closeout.
01/11-03/19	HNTB Enterprise Operations/HNTB DB Division, Nationwide Contract manager who provided contract and negotiation support for design and construction contracts for HNTB. He also reviewed owner RFQ and RFP procurement documents providing comments that were used for negotiating firm's contracts. He was one of the lead negotiation resources for the DB pursuits until he moved into a role as contract officer for the HNTB DB division, managing commercial issues for those projects. In this role, David managed project contract managers, supported the DB claims group, and was responsible for supporting negotiations of future DB contracts.
01/14-01/18	Golden Link Concessionaire, Presidio Parkway (Doyle Drive Replacement) Project, San Francisco, California Project principal/project manager for design services during construction of the \$800M expansion of the parkway on Doyle Drive. HNTB served as the designer for Golden Links Concessionaire JV. Project included a raised viaduct, two tunnels, roadway and utility upgrades, and surface street improvements on the former Presidio Army Base. The project also included comprehensive seismic protection and an upgraded electrical grid. Golden Links will manage the concession for 50 years. HNTB will continue as an engineering consultant.
01/07-01/10	VDOT I-495 Beltway And I-95 Hot Lanes: Fairfax County, Virginia Project manager/quality control manager who supported the Flour/Lane JV expand the HOV lanes to tolling on the I-495 Beltway and I-95 HOV Lanes from the Pentagon to the Dumfries exit. David led a team of 65 personnel providing testing and inspection for roadway and bridge construction in support of the JV. He also developed the Construction Quality Management Plan for the P3 which was accepted by VDOT and later used as a template for all P3 projects in Virginia. This \$3B project was the first P3 project established in Virginia. Transurban will manage the system for 50 years.

16. Staff Experience

Firm employed by: **HNTB**



Name	John Monzon, PE	Years of relevant experience with this employer	4
Title	Engineering Department Manager	Years of relevant experience with other employer(s)	26

Degree(s) / Years / Specialization MS / 1998 / Civil Engineering
BS / 1994 / Civil Engineering

Active registration number / state / expiration date PE: #29064 / LA / 09-30-2024

Year registered 2000 Discipline Civil

Contract role(s) / brief description of responsibilities Permit Applications

John brings engineering experience includes managing programs in the areas of public works, flood control, drainage, highway design and coastal restoration. He also has extensive experience in disaster planning, emergency response and recovery preparing for, and responding to, Hurricanes George, Lili, Katrina, Rita, Gustav, Ike and Isaac. As the former regional director of SLFPA-W, he oversaw the flood authority's \$26M levee lift prior to armoring program, which required heavy coordination with the USACE, CPRA and local levee districts. This program was completed on time in 2020 and \$2M under budget. Prior to that, he spent six years at CPRA managing and providing construction oversight of the \$14.5B hurricane, storm damage risk reduction system (HSDRRS) in the greater New Orleans area. He also spent 14 years at LADOTD managing programs such as Interstate Safety System program, District Overlay Program and the Statewide Flood Control Program in District 02 (greater New Orleans area). His experience managing programs in flood protection, drainage improvements and risk reduction measures have enabled him to develop a deep understanding of permitting, planning, construction and programmatic requirements at the federal, state and local levels.

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-Ongoing **SLFPA-E Engineering IDIQs, New Orleans, Louisiana** Project manager for general engineering services IDIQ contract. Tasks included construction management and resident inspection services for the reconstruction and rehabilitation of the NASA/NOPSI levees in the LPV-113 project reach of the HSDRRS. Work included soil testing verification, conducting monthly progress meetings, verifying contractor cross sections for payment, reviewing RFIs, submitting engineering opinions for approval by SLFPA- E and uploading monthly contractor invoices into Laserfiche.

06/22-Ongoing **Ascension Parish ADAPT Program Management, Ascension Parish, Louisiana** Program manager responsible for the planning, design and construction management of civil works projects (drainage, detention facilities, watersheds) and vertical projects (pumping stations, levee systems). He manages consultants and makes recommendations for project delivery and procurement; validating programming results; tracking budgets; preparing cost estimates, bond master plan and schedules; validating construction cost and cost of work; monitoring schedules; overseeing quality of all aspects of the project; communication with the project team and commissioners; coordinating all issues, documentation, minutes, action items and approvals to move the projects through all phases; providing direct interface with end-users and other stakeholders as required. He also makes presentations to officials, commissions and ad-hoc committees.

05/14-09/20 **SLFPA-W, Marrero, Louisiana** Regional director responsible for the oversight and management of two levee districts with over 50 employees. He oversaw the operations and maintenance of 80 miles of hurricane and Mississippi river levees in Algiers and West Jefferson. Scope included inspections, repairs and improvements of levees, pump stations and sector gates. Processed permits to applicants seeking to construct or excavate within 1,500' of the Mississippi River Levees and 300' from the hurricane levees. Additional responsibilities were providing yearly budgets to the board of commissioners as well as attending public meetings to provide information to stakeholders, elected officials and the news media. He successfully launched a public education campaign to re-new a 6.5 millage in Algiers (2015) and a new 4.75 milage in West Jefferson.

John Monzon

<p>09/08-05/14</p>	<p>Coastal Protection and Restoration Authority, Baton Rouge, Louisiana Operations division chief who provided construction oversight and technical review of the newly constructed \$14.5B hurricane protection system in New Orleans. Coordinated permitting with DNR and the USACE for construction adjacent to levees and floodwalls. Provided technical assistance to levee districts for flood protection projects such as Morganza to the Gulf, Larose to Golden Meadow, Lafitte and Grand Isle and New Orleans to Venice. Performed construction inspections and site visits for coastal restoration projects funded by CWPPRA, CIAP, LCA and NRDA funds in the Coastal Zone, including the West Closure Complex. Performed design review of the USACE Levee Armoring Program prior to construction.</p>
<p>05/95-09/08</p>	<p>LADOTD Public Works and Highway Design, New Orleans, Louisiana District 02 design engineer responsible for developing plans and specifications and permitting for: levee lifts in Jefferson and St. Bernard parishes, drainage improvement projects in the statewide flood control program, state park capital outlay projects and repairs, interstate safety programs, highway overlays in the pavement preservation program, roadside drainage, intersection improvements and bridge lighting. Performed roadway survey work and geometric design along with cost estimates for bid packages. Developed cost estimates for various levee districts for repair projects and capital improvements funded by state surplus funds</p>

16. Staff Experience			
Firm employed by: 			
Name	Mai Nguyen, PE	Years of relevant experience with this employer	8
Title	Roadway Design Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		PE: #38189 / LA / 03-31-2026	
Year registered	2013	Discipline	Civil
Contract role(s) / brief description of responsibilities		Roadway 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).		
04/23-Ongoing	LADOTD Jimmie Davis DB, Bossier and Caddo Parishes, Louisiana Project engineer who assisted with design related tasks. This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway.		
08/20-Ongoing	LADOTD I-10/I-12 at College Drive Flyover Ramp DB, Baton Rouge, Louisiana Assisted with the quality control reviews for the roadway design and created signing plans for proposal plan set. The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard.		
09/18-12/18	LADOTD I-20 at 220 Interchange Improvement & BAFB DB Project, Louisiana Engineer who assisted in the roadway design. Included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a new bridge over the Kansas City Southern railroad.		
01/20-Ongoing	LADOTD I-20: LA 544 Overpass Replacement, Lincoln Parish, Louisiana Task lead for road design preliminary and final design services for this project, which will replace the LA 544 Overpass diamond interchange with a diamond multilane roundabout interchange on a 3% longitudinal grade. The new bridge over I-20 will include sidewalks and four multilane roundabouts. This project includes a level 2 TMP.		
04/18-Ongoing	I-49 South at Verot School Road, Louisiana Roadway design lead for this project that will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabout.		
08/17-07/18	I-10 New Orleans Master Plan, New Orleans, Louisiana Provided engineering support in development of horizontal and vertical alignments of roadways, and geometric layouts of traditional interchanges, with multiple bridges, alternative intersections, ramps, roundabouts, and HOV lanes to provide access to the Port of New Orleans.		



16. Staff Experience

Firm employed by: **HNTB**



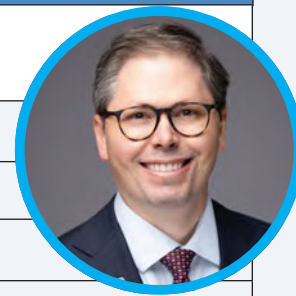
Name	Mira Para, PE	Years of relevant experience with this employer	5
Title	Senior Project Manager	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization	BS / 1992 / Civil Engineering		
Active registration number / state / expiration date	PE: #34990 / LA / 03-31-2025		
Year registered	2009	Discipline	Civil
Contract role(s) / brief description of responsibilities	Hydraulic Engineering		
<p>Mira is a project manager with over 32 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 (WEF), Louisiana Water Environment Association (LWEA), and Society of American Military Engineers (SAME). 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. Mira brings extensive experience in project management, hydrologic and hydraulic (H&H) modeling, storm drainage design, drainage pump stations, flood control structures, detention basin design, ponds and lakes design, dams and levees design, erosion control design, stream bank stabilization, wastewater collection, wastewater lift stations, wastewater treatment, water distribution systems, residential development and commercial development.</p>			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
12/23-Ongoing	<p>LADOTD I1JA Off-System Bridge Program, East Baton Rouge Parish, Louisiana Engineer responsible for oversight and quality control of hydrologic and hydraulic analysis for this \$38.5M off-system bridge replacement program, replacing 13 bridges separated into 10 projects located throughout East Baton Rouge Parish.</p>		
09/19-09/23	<p>LADOTD I-10/Loyola Interchange Improvement, New Orleans, Louisiana Engineer responsible for independent technical review of the drainage design on this alternative delivery project. This DB 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 (LNOIA) located near Loyola Boulevard. A DB team was selected in mid-2019 and construction began in early 2020.</p>		
03/21-11/21	<p>TXDOT Gordon Country Club Dam, Paris, Texas Task manager and Engineer for feasibility study and remediation plan for the Gordon Country Club Dam including inspection and hydraulic and geotechnical evaluation. The feasibility study included hydraulic analysis and recommendations for improvements and allowed TXDOT to submit for grant funding under FEMA's Rehabilitation of High Hazard Potential Dams program.</p>		
01/20-08-21	<p>Mississippi DOT Stream Bank Stabilization and Countermeasures for US 61 over Buffalo River (Bridge Nos. 17.7A & B), Wilkinson County, Mississippi Engineer responsible for design oversight and quality control review of final design plans. Design included longitudinal fill stone toe protection (LFSTP) to protect the riverbank. A site visit identified an area of scour concern along Sandy Creek, a tributary to Buffalo River at the Hwy. 61 crossing. Channelization and stabilization measures were designed to address the area of concern. Bentley's GeoPak and MicroStation programs were utilized in producing the 3D model needed to facilitate quantity calculations and plan production. The project includes Sandy Creek channelization and LFSTP installation along the south bank of Buffalo River.</p>		

Mira Para

05/20-12/22	<p>Mississippi DOT Scour Countermeasures for SR 28 over Boles Creek (Bridge Nos. 2.4 & 2.7), Jefferson County, Mississippi Engineer responsible for design oversight and quality control review of final design plans. The project includes a box culvert replacement and a bridge replacement for SR 28 over Boles Creek. SRH2D was used to perform a 2D hydraulic analysis of the study area encompassing both crossings to establish the baseline condition and to simulate the “with-project” condition. The 2D analysis capability provided overland flow connectivity between crossings and spatial velocity variation to better estimate channel stability with the proposed bridge. Bentley’s GeoPak and MicroStation programs were utilized in producing the 3D model needed to facilitate quantity calculations and plan production.</p>
09/19-06/24	<p>Plaquemines Parish Government, Jesuit Bend Levee Lift Project, Plaquemines Parish, Louisiana Senior project manager/engineer responsible for final design, delivery of final plans, specifications and construction cost estimate, US Army Corps of Engineers (USACE) 408 permission request, environmental permitting, bid phase services and construction administration. The project provided a levee lift along approximately 8 miles of the existing levee, sheet pile installation at existing flood walls and concrete slope paving at existing wall transitions. The project is located on the existing New Orleans to Venice Non-Federal back levee on the west bank of the Mississippi River between Oakville and LaReussite in Plaquemines Parish, Louisiana. This project was funded through Louisiana Coastal Protection and Restoration Authority under the Gulf of Mexico Energy Security Act.</p>
01/20-03/23	<p>SLFPA-E Gulf Intracoastal Waterway (GIWW) East Sector Gate Tripping Dolphins Replacement, New Orleans, Louisiana Senior project engineer/manager responsible for final design, delivery of final plans, specifications and construction cost estimate, bid phase services and construction administration. The project, located in the Orleans Levee District (OLD), involves the replacement of a total of 10 tripping dolphins within the GIWW. A group of five dolphins is located approximately 0.7 miles east (flood side) of the GIWW East Closure Sector Gate and the other group of five dolphins is located approximately 1.2 miles west (protected side) of the GIWW East Closure Sector Gate. The dolphins will each consist of a four-pile cluster tied together with a jacket structure that will include a mooring bit, a navigation light and a maintenance access ladder. The dolphins will be used for mooring barges in preparation for transport through the Lake Borgne Surge Barrier sector gate.</p>

16. Staff Experience

Firm employed by: **HNTB**



Name	Kevin Phelps	Years of relevant experience with this employer	1
Title	National Practice Consultant - Technical	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization	BS / 2007 / Architecture		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	CMAR/Progressive DB (PDB)		

Kevin brings extensive experience in project packaging, delivery method analysis and procurement process including alternative delivery and collaborative contracting. He specializes in providing commercial and delivery strategy advice with a focus on alternative delivery and collaborative contracts. Kevin has extensive experience in the national and international construction industry and has held senior leadership roles in the public and private sectors where he has managed large infrastructure projects and provided vital project management, commercial term development, procurement strategy and construction delivery services to a host of high-profile clients. His prior experience includes defining commercial contract strategy, construction work sequencing and implementation support throughout project life cycles in support of Amtrak and Washington Metropolitan Area Transit Authority (WMATA), two of the largest capital programs in the country. Kevin served in public sector leadership roles as part of Amtrak's five-year capital program as well as WMATA's five-year capital program.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/22-04/24	Amtrak Capital Program, Washington DC Senior director who established a new department responsible for Amtrak's external partnerships and contract management teams and developed new processes and procedures in support of Amtrak's \$50B capital program. Oversaw team responsible for performing project packaging and delivery method analysis, and defining commercial contract strategy, construction work sequencing and implementation support throughout entire project life cycle. Led market/industry outreach efforts during pre-solicitation, conducted market analysis with a focus on industry capacity and alternative delivery opportunities and provided expertise on market data throughout solicitation process. Partnered with Amtrak's Law, Procurement and Project Delivery teams in the development of new alternative delivery contract and commercial boilerplate.
07/20-01/22	WMATA Capital Program, Washington DC Director responsible for development of procurement strategies, commercial terms, alternative delivery incentive strategies and market research/outreach to support WMATA's \$2B annual capital program. Led team of more than 60 employees and contractors responsible for oversight of scope, schedule, budget and key performance indicator adherence of WMATA's \$600M project management/construction management and architecture/engineering task order program across the Authority.
12/17-07/20	MD-355 Crossing Project, Washington DC Senior project manager responsible for all facets of design management of the design-build program and overall coordination with numerous engineering organizations, owner consultants and stakeholder design teams. Managed the development and execution of all project procurements and subcontract awards. Responsible for managing overall project budget, schedule, staffing and client/stakeholder coordination with Montgomery County DOT, WMATA, US Navy, National Institute of Health and Maryland SHA.
02/16-11/17	Corpus Christi Liquefied Natural Gas (LNG) Project, Corpus Christi, TX Construction representative and lead engineer responsible for the execution of direct-hire construction and overall coordination for marine and civil works. Developed the construction execution strategy, including equipment needs, labor strategy, field logistics, budget and construction schedules various contracts. Assisted senior leadership with value planning, estimating, scheduling and constructability reviews. Coordinated the development, procurement, analysis and award of various subcontracts.

Kevin Phelps

01/14-02/16	Planning and Development Group, Reston, Virginia Senior development representative responsible for development, research and analysis of various new global business opportunities, identifying and vetting qualified prospects and meeting with various potential global clients. Supervised the proposal functions within the department, developed proposals for preliminary engineering, feasibility studies, and FEED projects along with full EPC/PMC proposals. Collaborated across multiple global business units, global offices and functional teams to develop industrial infrastructure work for the infrastructure business unit. Negotiated contracts with clients and collaborate with legal teams to ensure proper risk management.
09/13-01/14	Civil Global Business Unit, London, United Kingdom Infrastructure and aviation business line lead who assisted in the overall management of project operations globally. Facilitated aviation and infrastructure business development efforts, including analyzing data and participating in developing opportunities pipeline. Monitored the progress of infrastructure and aviation projects with respect to schedules, budgets and client satisfaction.
06/13-09/13	Civil Global Business Unit, London, United Kingdom Business development representative who assisted in the development of new projects, sector strategies and tracked potential prospects with the civil infrastructure marketing and business development team. Managed infrastructure proposals from the kickoff through submission and award by working closely with functional teams and relevant stakeholders.
10/12-06/13	Civil Global Business Unit, London, United Kingdom Proposal coordinator responsible for bridging the gap between the technical and creative production teams to assemble proposals and other marketing and business development materials. Implemented new and innovative ways of supporting civil marketing and business development teams in their pursuit for booking work. These included new work processes, bid trackers and various proposal development templates and forms.
09/10-09/12	Hamad International Airport, Doha, Qatar Lead site architect and construction coordinator at the \$16B project that included two runways, a 1,650,000 square foot passenger terminal complex including large retail space and multiple lounges, 64 passenger gates, cargo terminal, aircraft maintenance hangar, air traffic control tower, fuel handling facilities, access roads and tunnels and support utilities including power, water, wastewater and communications.

16. Staff Experience

Firm employed by: **HNTB**



Name	Jim Ray	Years of relevant experience with this employer	4
Title	Corporate President	Years of relevant experience with other employer(s)	23

Degree(s) / Years / Specialization JD / 2001 / Law
BA / 1996

Active registration number / state / expiration date NA

Year registered NA Discipline NA

Contract role(s) / brief description of responsibilities Strategic Advisory

During his more than 27-year career, Jim has served as a senior advisor for infrastructure to the US Secretary of Transportation, acting administrator for the Federal Highway Administration and Deputy General Counsel for the White House Office of Management and Budget. He has an extensive understanding of the legal, policy and business frameworks critical to innovative project delivery, emerging intelligent transportation solutions, disruptive technologies and trends, data transformation and infrastructure policy. Jim also was a partner with a multinational infrastructure and finance consulting firm in Washington, D.C. In that role, Jim led teams to evaluate and deliver large-scale projects through innovative delivery and founded the firm's infrastructure strategy business.

Experience dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

01/20-Ongoing **San Diego Association of Governments, San Diego, California** Project executive for a multi-billion dollar project involving potential rebuild of the NAVWAR/NIWC facility, design, construction and operation of a central mobility hub, airport connector and a high-density mixed-use real estate development. He is providing strategic advice across various workstreams in collaboration with other stakeholders and advisors.

01/20-Ongoing **Georgia DOT, Atlanta, Georgia** Project executive working with GDOT leadership, identifying and analyzing core issues and priorities across the program and with specific projects. He applies his industry knowledge and trends to specific GDOT situations as well as advises on federal and state political considerations. Jim ensures appropriate resources from HNTB are made available.

01/20-Ongoing **LADOTD, Baton Rouge, Louisiana** Strategic advisor to senior leadership providing guidance on federal position on policy and funding opportunities. Jim also is working with LADOTD to review data resources and governance frameworks to develop recommendations on data resources approach to contracting for analytics support services and deployment of data tools across the organization.

01/20-Ongoing **North Carolina DOT, I-77 HOT Lanes, Charlotte, North Carolina** Lead transaction advisor to NCDOT, where he worked alongside NCDOT executive leadership to provide strategic advice and help direct advisors across workstreams. Jim managed the legal, financial, and technical advisory teams that provided financial analysis, risk evaluation, commercial structuring and procurement and market outreach support. Jim worked at the local, state and federal level to address lender concerns, build political support, and drive a favorable outcome in obtaining TIFIA and PABs financing and reach financial close.

04/06-10/08 **Federal Highway Administration (FHWA), Washington D.C.** Chief Counsel, Deputy Administrator and Acting Administrator who helped to redesign FHWA's perspective on permissible tolling, its administration of tolling agreements and other regulatory and funding programs. In particular, he drafted many of the legal opinions now relied upon by TIFIA and FHWA in reviewing P3s and tolling projects. He provided oversight on "corridors of the future" portion of the secretary's congestion initiative. Jim also drafted legal opinions relating to hot lane conversion and interstate reconstruction for tolling authorities.

16. Staff Experience

Firm employed by: **HNTB**



Name	George Riccardo	Years of relevant experience with this employer	1
Title	National Practice Consultant	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	BS / 2014 / Business Management		
Active registration number / state / expiration date	NA		
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities	Federal Policy, Funding & Financing		

George advises clients on policy and funding issues, including navigating the USDOT's discretionary funding programs. George has served in a variety of transportation roles throughout his career, including for the USDOT and US House of Representatives.

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).
12/20-02/23	K&L Gates, Washington, D.C. Transportation lobbyist for a global law firm where he provided strategic, political, and sector-driven guidance to clients, including public and private entities, industry associations, and innovative technology companies, with a focus on transportation and infrastructure. He was heavily involved in infrastructure policy development on Capitol Hill, both on behalf of clients and assisting committees and member offices. He was responsible for drafting and executing policy strategies on behalf of clients, including successfully placing provisions of interest in the surface transportation reauthorization bills. He led a team of lobbyists focused on transportation and infrastructure.
04/18-12/20	USDOT, Washington, D.C. Senior policy advisor to the secretary (Office of the Secretary) for the Federal Railroad Administration (FRA), Federal Highway Administration (FHWA), Federal Aviation Administration (FAA), Build America Bureau and other matters. He also led the secretary's Rural Opportunities to Use Transportation for Economic Success (ROUTES) initiative to address disparities in rural transportation infrastructure and managed the development of policy proposals and strategy, including efforts to reauthorize surface transportation programs. In addition, he was the director of government affairs (FRA) and senior congressional affairs officer (Office of the Secretary) who advised the secretary, FRA administrator, and other leadership on governmental relations. He managed a legislative portfolio for the Secretary's Office of Governmental Affairs, including the FRA and FHWA, as well as assisting on appropriations. In addition, he worked with congressional staff, states, and stakeholders on financing opportunities for surface transportation projects through grant programs, formula funding, and the Build America Bureau. He also managed technical assistance requests from Congress to ensure proper coordination with congressional staff, as well as supervised a team of FRA and OST staff. Additionally, he prepared senior officials, including the secretary and modal administrators, for congressional hearings.
10/16-04/18	Signal Group, Washington, D.C. Senior government relations manager who developed advocacy strategies and directly engaged legislative and executive branches on behalf of clients, achieving measurable successes, such as the inclusion of appropriation and FAA reauthorization provisions.
05/16-09/16	Hedgeye Risk Management, Washington, D.C. Macro policy analyst who composed and distributed a daily summary of relevant legislative and political topics to over 300 institutional investor clients.
06/14-05/16	United States House of Representatives, Washington, D.C. Legislative staff for the Subcommittee on Railroads, Pipelines and Hazardous Materials who facilitated Title VII (hazmat) and Title XI (rail) of the Fixing America's Surface Transportation Act of 2015. He acted as a committee liaison on a congressional delegation to Japan to discuss US-Japan relations relating to infrastructure investments, including high-speed rail, Maglev technology, emergency preparedness and disaster relief. He also planned and executed roundtable discussions and hearings on rail safety and pipeline infrastructure and technology.

16. Staff Experience

Firm employed by: **HNTB**



Name	Todd Rogers	Years of relevant experience with this employer	28
Title	Construction Manager/ITS Designer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		Industrial Technologies Coursework / 1986	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities		ITS Design & Support	

Todd has 35 years of experience and his primary responsibilities include designing the infrastructure layout for fiber communications system backbones as well as working with the engineering staff and project managers to facilitate the production of contract documents and the assembly of construction plan sets. He is well-versed as a project manager on several communication system design projects. For more than twelve years he has worked with clients such as LADOTD, PHA, TxDOT, HCTRA and the NTTA in the development, design, and construction of several fiber optic communication trunk lines. In many of these projects Todd was tasked with developing plans to maintain ITS and Tolling operations during multiple phases of roadway/bridge construction. This generally included designing temporary fiber networks to avoid areas of construction followed by permanent and redundant trunkline design after roadway construction.

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).
01/21-12/22	TxDOT I-20, ITS Design, Odessa, Texas Designed the proposed Intelligent Transportation infrastructure for the future deployment of a fiber communications system for this eight-mile divided freeway reconstruction project. This design consisted of new conduit ductbank, relocation of affected CCTV, DMS, and radio communications devices, relocation of electrical services, and the deployment of new CCTV and DMS devices. Todd also designed the multi-relocation of 8 existing Over Height Vehicle Detection systems to remain operational across multiple construction phases and traffic shifts for the protection of existing bridges.
09/21-03/22	HCTRA Ship Channel Bridge, Houston, Texas Control manager for the reconstruction of the Sam Houston Tollway bridge in east Houston. Duties included the development on monthly construction reports, tracking 'materials on hand' listed by the Contractor, and assisting in resolving construction related issues.
04/21-07/21	LADOTD LA-1, ITS Design, Leeville to Golden Meadow, Louisiana Designed the proposed ITS system that included two fiberglass conduit systems with fiber optic cables and conductors suspended beneath approximately nine miles of new bridge structure. This ITS system included communication and electrical infrastructure for six CCTV's and one DMS to be deployed along the proposed bridge structure.
06/20-04/21	City of Houston, Northpark Dr. ITS Design, Houston, Texas Designed a one-mile extension of the existing ITS system connection at US 59 along Northpark Dr. The design included buried conduit, a 144 strand single mode fiber optic cable, fiber terminations in splice enclosures, and one railroad crossing.
01/15-06/20	TxDOT Houston District, US-290 Corridor PMC, Houston, Texas Assisted in construction-phase service with the development and review of design-related change orders, timely responses to request for information (RFIs), and assisting with resolution of field construction issues. Handled all RFI request and change orders pertaining to fiber network and CTMS projects, as well as reviewing change orders for adjustments to various disciplines including roadway geometry, drainage, traffic control plans, and signing and striping. Todd also supported the program management team as the IT administrator.
10/12-01/15	TxDOT Houston District, US 290 Corridor ITS Design, Houston, Texas Senior ITS designer on five separate freeway segments totaling approximately 10-miles of roadway. Duties included ITS design, plan development, quantities, specifications, and client interface. Design requirements included system upgrades, new DMS, CCTV, and RVSD deployment, and maintaining system operations during construction.

16. Staff Experience

Firm employed by: **HNTB**



Name	Karl Rohrer, DBIA	Years of relevant experience with this employer	3
Title	National Practice Consultant	Years of relevant experience with other employer(s)	30

Degree(s) / Years / Specialization
 MUP / 1992 / Urban Planning
 MPIA / 1987 / Public & International Affairs
 BA / 1985 / History

Active registration number / state / expiration date
 DBIA Certification, Design-Build Institute of America

Year registered: NA Discipline: NA

Contract role(s) / brief description of responsibilities
 Design Build

Karl has extensive experience developing and delivering transportation infrastructure projects for public and private owners using both traditional DB and P3 delivery models. His expertise in the use of innovative and alternative project delivery methods focuses on the alignment of technical requirements, risk allocation and appropriate commercial frameworks. Karl's P3 transaction experience developing and negotiating concession agreements provides additional insights and perspective on how best to structure new projects or programs for maximum effectiveness. He has worked closely with designers, technical experts, contractors, and on behalf of public and private owners to manage over \$3B in complex DB and P3 procurements over the past decade. For multiple owners in Virginia, he has developed in-house capabilities and tools necessary to manage major DB procurements, including the development of work processes, solicitation materials and contract documents.

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).

03/21-Ongoing **Georgia DOT, Express Lanes Program, Atlanta, Georgia** Project development manager for the SR 400 and I-285 Express Lanes projects, who led multi-disciplinary team of technical, financial and legal advisors developing the commercial framework, procurement process, technical requirements and implementation plan for 200+ lane-miles of new dynamically-priced managed lanes using a revenue-risk concession. Primary interface with client Project Director and senior agency staff. This project was part of HNTB's program management consultant contract for the GDOT Major Mobility Investment Program.

06/21-Ongoing **Tennessee DOT, Choice Lanes Program, Nashville, Tennessee** SME to optimize project design and operating configuration, prepare technical and commercial requirements for long-term P3 concession contracts and manage competitive P3 procurement process. As part of HNTB's GEC contract for Alternative Delivery, this program supports the development and delivery of new managed lanes projects across Tennessee. Karl engaged directly with TDOT senior staff and other advisors.

06/21-12/21 **San Diego Association of Governments (SANDAG), Central Mobility Hub, San Diego, California** Technical advisor as part of HNTB's on-call consultant services contract for P3s who supported SANDAG's assessment of alternative project delivery approaches and advised on the best use of P3 delivery models to support development, procurement and operation of new multimodal transportation hub and associated surface transportation improvements.

11/14-02/21 **Transurban, McLean, Virginia** Project delivery lead who led new project development activities for the North American arm of Australian toll road developer and operator. Oversaw development, procurement and delivery of \$2B+ in new P3 managed lane projects. Worked closely with contractor and government executives to safely deliver projects and proactively address design, construction and commercial issues. Expanded Transurban's capabilities in project development, procurement, DB contracting, and project management. Ensured timely completion of pre-construction services required for new P3 projects and acquisitions, including planning and preliminary design, technical due diligence, commercial negotiation, agreements and DB contracts for new projects. On an extended interim basis, also responsible for leading the operations and maintenance of 52-mile dynamically-tolled managed lane network in Northern Virginia. Drove continuous improvement in the areas of safety, road operations, road maintenance, pricing and analytics.

16. Staff Experience

Firm employed by: **HNTB**



Name	Rakesh Sharma, PE, PTOE, PMP, CVP	Years of relevant experience with this employer	16
Title	Senior ITS and Traffic Operations Engineer	Years of relevant experience with other employer(s)	5

Degree(s) / Years / Specialization	MS / 2005 / Civil Engineering BS / 2001 / Civil Engineering		
Active registration number / state / expiration date	PE: #72324 / OH / 12-31-2025 PTOE	#70902 / FL / 02-28-2025	

Year registered	OH 2007; FL 2010	Discipline	Civil
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Contract role(s) / brief description of responsibilities ITS Design & Support Task Lead

Rakesh has over 21 years of experience combined working in the public and private sectors. He specializes in connected and automated vehicles (CAV) concept to operation, intelligent transportation system design to maintenance, automated traffic signal performance measures and transportation systems management and operations, traffic safety and transportation planning projects. His portfolio of work includes emerging technology systems deployment such as CAV planning and implementation, truck parking availability system planning and implementation, virtual weigh-in-motion planning and implementation, ITS design, ITS integration and deployment, systems engineering, regional transportation management center operations and management, systems management, managed lanes operation and management, emergency management and traffic incident management. Rakesh is instrumental in developing CAV program in the State of Florida and planned and developed several deployment projects. He also worked with Florida's Turnpike Enterprise and helped manage and operate the Central and West Florida region toll roads for traffic engineering and safety 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).
04/22-Ongoing	Florida DOT US 331 and US 98, Bay and Walton Counties: District 3 Chipley, Florida Project manager/engineer of record for the 52 miles long ITS design project for the important arterial corridor SR 331 and US 98 in Bay and Walton Counties. The effort included developing fiber and ITS device plans along with traffic signal infrastructure connections. The project is now under construction post-design phase.
02/20-Ongoing	Florida DOT Henry E. Kinney Tunnel, District 4, Ft. Lauderdale, Florida Project Manage for this first of its kind tunnel gate and ITS system for FDOT District 4 named Henry E. Kinney Tunnel. The system included tunnel gates, variable speed limit signs, lane control signals, arterial DMS, and tunnel signals. The project is under construction and in post-design phase.
02/11-05/18	Virginia DOT I-95 Reversible Lanes, Fairfax, Virginia Lead designer for the I-95 Reversible Lanes in Washington DC/Fairfax, Virginia region. The project included reversible lane gate systems, ITS devices, DMS, cameras, incident detection cameras, variable speed limits, and lane control signals.
02/20-05/23	Florida DOT Central Office Motor Carrier Size and Weight, Central Office, Tallahassee, Florida Project manager/engineer of record for the first of its kind virtual weigh in motion station in Hamilton County, Florida along I-95. The project included truck bypass DMS system, lane control signal, overheight camera detection system, CCTV, truck transponders, and speed detectors.

16. Staff Experience

Firm employed by: 



Name	Perry Smith	Years of relevant experience with this employer	3
Title	SUE Project Manager	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		AS / 2007 / Electronics	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities		SUE	

Perry Smith has over 21 years of experience in the utility field and has served in various roles. His field experience for LADOTD projects began in 2017 where he has been involved in dozens of SUE projects of various sizes across the state of Louisiana. He has participated in all stages of a utility project from field data collection to final deliverable preparation. Perry has a thorough knowledge of ASCE 38-22, and the technology required to achieve the necessary quality levels. He is a certified ATSSA Traffic Control Supervisor (TCS).

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-Ongoing	North Columbia Street Bridge Replacement, Covington, Louisiana SUE project manager responsible for all SUE Quality Level A and Quality Level B services and performed QA/QC on the topographic survey submitted to the City of Covington to ensure compliance with ASCE 38-02.
06/21-10/23	LADOTD, Calcasieu River Bridge (HBI), Calcasieu Parish, Louisiana Task manager who managed all Quality Level A SUE services and provided QA/QC for Quality Level B SUE services to ensure compliance with ASCE 38-02. Performed records research for all utility companies and verified all available records were obtained.
10/21-03/22	LADOTD Southern University Ravine Protection, East Baton Rouge Parish, Louisiana Field manager who managed the field staff providing SUE Quality Level B and Quality Level C services and performed QA/QC on the field data. Ensured all work was completed within the truncated time frame.
11/21-02/22	LADOTD LA 1270: LA 77 to End of Control Section, Iberville Parish, Louisiana Field manager who managed the field staff providing SUE Quality Level B and Quality Level C services and performed QA/QC on the field data. Ensured all work was completed within the truncated time frame. LADOTD location and survey field staff performed the topographic survey and we ensured a smooth working environment for data collection.
01/22-07/22	LADOTD LA 594, Overpass I-20, Ouachita Parish, Louisiana Field manager who managed the field staff providing SUE Quality Level B and Quality Level C services and performed QA/QC on the field data.
03/22-09/22	MOVEBR Plank - Nicholson SUE, Baton Rouge, Louisiana SUE field manager who provided SUE services with the 15 designated project sites in general accordance with the recommended practices and procedures described in ASCE Publication CI/ASCE 38-22, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data.

16. Staff Experience

Firm employed by: **HNTB**



Name	Jared Sommers, PE	Years of relevant experience with this employer	13
Title	Senior Geotechnical Engineer	Years of relevant experience with other employer(s)	N/A

Degree(s) / Years / Specialization
 BS / 2012 / Civil Engineering
 BS / 2007 / Mathematics

Active registration number / state / expiration date
 PE: #40978 / LA / 03-31-2025

Year registered: 2016 Discipline: Civil

Contract role(s) / brief description of responsibilities
 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, Illinois, Utah 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).
02/19-Ongoing	US 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	LADOTD US 90 over LA-14 Bridge Reconstruction, Iberia Parish, Louisiana Geotechnical engineer on the replacement of US 90 over LA-14 that included drilled shaft foundation design and MSE wall external stability analysis.
07/19-04/19	LADOTD 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.
09/20-03/21	LADOTD 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.
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.
10/18-04/19	LADOTD LA-15 over Boeuf River Bridge Replacement, Richland Parish, Louisiana Geotechnical engineer for an off-alignment bridge replacement. Geotechnical tasks included foundation design using precast, prestressed concrete piles, drivability, seismic evaluation, approach embankment settlement calculations and slope stability.
07/18-06/20	LADOTD Comite River Diversion US 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.

16. Staff Experience			
Firm employed by: HNTB			
Name	Jonathan Startin, C.ENG, MICE	Years of relevant experience with this employer	11
Title	Senior Project Director	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities		Public-Private Partnership (P3)	
Jonathan brings 44 years of experience in a wide range of transportation projects. He specializes in providing technical procurement, transaction and contracts advice to public agencies using alternative delivery, particularly privately financed P3 projects. His experience includes over 10 years in the United States and five years in Asia working for both public agencies and concessionaires on a wide variety of transportation P3s. In addition, his specialty is developing procurement documents for public agencies, and he has wide experience of successfully completed deals across multiple jurisdictions, many of which are now in operational stage.			
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).		
08/15-04/22	LADOTD LA 23: Belle Chasse Bridge and Tunnel Replacement P3, Belle Chasse, Louisiana Technical advisor who supported the development of the solicitation documents, including working with financial and legal advisors to develop risk allocations and defining the longterm life cycle and operations and maintenance (O&M) responsibilities of the concessionaire. HNTB provided procurement services for this P3 project, which will replace an aging vertical lift span bridge and tunnel with a new fixed span bridge.		
05/16-02/20	Illinois DOT, I-55 Managed Lanes Project, Chicago, Illinois Technical P3 advisor for the 25-mile express toll lanes P3 project with revenue risk transfer to the private sector, Jonathan advised IDOT on industry outreach to establish appropriate commercial terms and risk allocation. He was responsible for all O&M and life cycle aspects of the project. He developed a value for money/business case to support the decision to use a P3 model and was responsible for the development of technical papers and presentations to support IDOT policies and decision-making for the procurement approach. He also developed estimates and risk management plans for alternative project configurations including combinations of one and two express lanes in each direction, life cycle risk transfer strategies and operational interface management for the express toll lanes and adjacent general purpose lanes. Working in an integrated team with technical, legal and financial advisors, he developed RFP documents including Technical Provisions for IDOT's first revenue risk P3.		
04/17-Ongoing	Georgia DOT, Major Mobility Investment Program, Statewide, Georgia Technical P3 advisor for GDOT's Office of Innovative Delivery, Jonathan is responsible for the development and procurement of projects to be delivered under the P3 program. Express lanes projects are planned to be delivered using DB-Finance-Operate-Maintain (DBFOM) under which the private sector will collect toll revenues and be responsible for maintenance and roadway operations. The first of these projects is the State Route 400 Express Lanes Project that includes 15 miles of new dynamically priced express lanes. His responsibilities also include coordinating with legal and financial advisors to ensure the Technical Provisions are consistent with the agreement and developing technical/commercial provisions consistent with the DBFOM project. He is also responsible for the establishment of optimum private sector O&M scope and defining and managing interfaces with GDOT's O&M responsibility. Jonathan developed O&M and life cycle estimates and programmatic performance requirements for maintenance.		

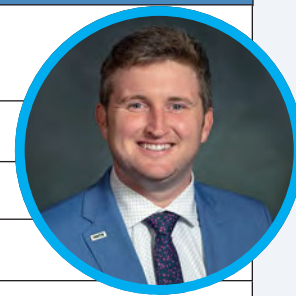


Jonathan Startin

07/16-07/19	Virginia DOT, P3 Staff Augmentation Services, Richmond, Virginia P3 technical lead for VDOT's Office of P3 (OP3) staff augmentation services, provided business management services for VDOT's Public-Private Transportation Act (PPTA) program, including project screening and business case assessment. He was responsible for independent O&M estimates for the northern extension of the I-95 High Occupancy Toll (HOT) Lanes project, the southern extension of the I-95 to Fredericksburg and the Hampton Roads Express Lanes Network. The estimates included all routine maintenance, life cycle maintenance and toll operations costs.
10/22-Ongoing	Ohio DOT, Brent Spence Bridge Program P3, Cincinnati, Ohio P3 pre-procurement advisor who is responsible for the development of commercial terms for the procurement documents including development of the first use by ODOT of PDB for this bi-state project between Ohio and Kentucky. The project will reconstruct approximately 5 miles of I-71/I-75 in Kentucky and one mile of I-75 in Ohio and will include construction of a new companion bridge over the Ohio River just to the west of the existing Brent Spence Bridge. Responsibilities also include working collaboratively with the states' legal advisors to develop a commercial approach for this collaborative form of contract acceptable to both states and to proposers. The PDB contract includes a comprehensive phased approach to project development and risk management, and a framework requiring the parties to jointly develop a guaranteed maximum price or lump sum.
09/13-12/16	Ohio DOT, Portsmouth Bypass P3, Cincinnati, Ohio P3 procurement advisor to ODOT for the procurement of the availability payment Portsmouth Bypass P3. As ODOT's first P3 project, Portsmouth Bypass included the design, construction and maintenance of a rural roadway in an area with major earthwork presenting geotechnical challenges. This required innovative approaches to developing design, construction and maintenance specifications suitable for a P3. He was responsible for the development of the payment mechanism, operation/maintenance performance requirements, and coordination of the approach to the procurement. He worked closely with legal and financial advisors to develop RFP documents that allowed a successful competitive procurement to proceed on schedule, providing technical support to facilitate implementation of federal financing under the TIFIA program. His other responsibilities included all aspects of the procurement process, including attendance at proprietary meetings with Proposers and assistance with proposal evaluation. He also provided assistance to ODOT with interpretation of contract documents.
07/13-10/18	PANYNJ, Goethals Bridge Replacement, Staten Island, New York and Elizabeth, New Jersey Senior project director supporting the Goethals Bridge Replacement P3 post-financial close, working as part of the Port Authority's support team in review of contract deliverables. The project is an "availability payment" project under which the developer builds now and is paid later according to his achievement of maintenance performance requirements over a period of 35 years after substantial completion. Only \$150M of Port Authority construction funding will be required to achieve Final Acceptance, with the remainder of construction dollars provided in the form of over \$100M of equity, \$450M of private activity bonds and federal financing under the TIFIA program. As the first project of its type in the region, responsibilities include advising the Port Authority on commercial terms and the assessment of developer-provided maintenance plans for contract compliance.

16. Staff Experience

Firm employed by: **HNTB**



Name	Daniel Tanner, PE	Years of relevant experience with this employer	5
Title	Hydraulic Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BA / 2014 / Civil Engineering	
Active registration number / state / expiration date		PE: #42793 / LA / 03-31-2025	
Year registered	2018	Discipline	Civil
Contract role(s) / brief description of responsibilities		Hydraulic Engineering	

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 3D 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).
03/19-08/19	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. This 1D/2D interface provided additional detail in the 2D overbank regions, while effectively representing the immediate channel within the 1D cross sections.
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.
07/19-06/22	Ascension Parish Floodplain Management Plan, Louisiana Project engineer for \$2.6M Floodplain Management Plan development. 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 effort.

16. Staff Experience			
Firm employed by: HNTB			
Name	Meredith Taylor	Years of relevant experience with this employer	5
Title	Urban Design Planner	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		BS / 2008 / Landscape Architecture	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities		Community Outreach & Coordination	
Meredith is an urban design planner with 15 plus years of experience in CADD, GIS, graphics, and other technical support services. Her experience varies from small scale to large scale sites and includes environmental planning for transportation improvements, traffic noise modeling, Section 508 compliance, public outreach techniques, coastal flood mitigation, and economic development 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).		
10/21-06/22	Capital Area Transit System (CATS) Comprehensive Operational Analysis (COA), East Baton Rouge Parish, Louisiana Provided consultant services for conducting activities to inform and collect input from current and potential transit riders regarding improvements to routes, stop locations, service changes. Coordinated / co-conducted multiple in-person public outreach events.		
04/21-01/24	Florida Boulevard Corridor Enhancements SEG 2 (22nd St. to Airline Hwy), Baton Rouge, Louisiana Provided GIS Support, compiled data, for the redesign of the Florida Blvd. Roadway corridor in Baton Rouge. Driveways and medians were reviewed for safety and to incorporate green infrastructure for Florida Blvd. to become more pedestrian friendly.		
12/21-11/22	Loyola Drive Diverging Diamond Interchange, Public Assistance, Kenner, Louisiana Created graphics and media materials for press releases and presentations regarding the construction of the Diverging Diamond Interchange at I-10 and Loyola Drive. Media materials included an informative video which was released to media and the public explaining what a DDI is and how drivers navigate the roadway.		
01/19-01/20	MOVEBR Infrastructure Program, Baton Rouge, Louisiana Provided roadway layout schematics with the use of Civil 3D and ArcGIS for the \$1.2B program of Capacity Projects that was separated into a list of capacity and enhancement projects. HNTB, as a sub, is responsible for the \$800M in capacity infrastructure projects on 40 roadways throughout the parish of East Baton Rouge.		
09/19-11/19	LADOTD College Dr Flyover Ramp Project, Baton Rouge, Louisiana Assisted with the coordination of 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		
03/19-01/24	LADOTD I-10 Calcasieu River Bridge and Approaches Environmental Impact Statement (EIS), Calcasieu Parish, Louisiana Co-author of the EIS documentation, provided inventory and analysis relative to the alternatives scoping and screening using ArcGIS, preparation of technical documents, assist project manager with public involvement tasks and meeting coordination, interagency coordination, traffic noise modeling public outreach materials, and website layout.		



16. Staff Experience

Firm employed by: **HNTB**



Name	Nathan Tipton, PhD	Years of relevant experience with this employer	3
Title	Senior Technical Writer	Years of relevant experience with other employer(s)	30

Degree(s) / Years / Specialization
 PhD / 2013 / English Literature
 MA / 1999 / English
 BA / 1987 / English

Active registration number / state / expiration date
 NA

Year registered
 NA
 Discipline
 NA

Contract role(s) / brief description of responsibilities
 Grant Applications and Benefit Cost Analysis

Nathan is a published writer, reviewer, and editor whose most recent experience has focused on detailed quality control processes for numerous infrastructure projects. Prior to joining HNTB, Dr. Tipton's career has been almost exclusively in academia where he served as editor, grant writer, scientific writer, and marketing/communications manager at the University of Tennessee Health Science Center and the University of Memphis, both in Tennessee. In 1999, he received the Excellence in Grant Writing award from the Grant Writing Institute and has published articles in numerous academic journals across a variety of disciplines including English, Popular Culture, Social Work, Nursing, Dentistry, and Pharmacy. A native Louisianian, he returned to Baton Rouge in 2022 to join HNTB as its senior technical writer and editor in the firm's Baton Rouge office. Dr. Tipton's expertise in editing, writing, and grantsmanship is broadly interdisciplinary and includes public outreach and stakeholder engagement as 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).

04/24-Ongoing **LADOTD Louisiana Road User Charge Demonstration Project Phase 1 Feasibility, Statewide, Louisiana** Lead grant writer for \$800K Strategic Innovation for Revenue Collection (SIRC) Program (FHWA) grant application to enable the LADOTD to undertake the Louisiana Road User Charge (RUC) Demonstration Project Phase 1 Feasibility Study. Work included research and curating materials, crafting and editing grant narrative and related grant components, collecting and formatting resumes and letters of commitment and preparing materials for submittal. The purpose of this grant is to explore and evaluate innovative funding solutions and develop implementation steps necessary to advance a RUC in Louisiana including laying the groundwork for a RUC pilot should Louisiana decide to proceed.

04/24-Ongoing **Louis Armstrong New Orleans International Airport Grant Application, New Orleans, Louisiana** Lead grant writer for \$1.3B MEGA (USDOT) grant application for linking the airport to the Intercity Passenger Rail line serving passengers traveling between Baton Rouge and New Orleans. Work included extensive research, crafting and editing grant narrative and other grant components and preparing materials for submittal. The purpose of this grant is to provide seamless connectivity via an Automated People Mover from the BR-NOLA Intercity Passenger Rail platform and an adjoining intermodal station to parking and rental car facilities on the Airport's South Campus and to the new passenger terminal located on the Airport's North Campus.

04/24-Ongoing **Lafayette Utilities System/Lafayette Consolidated Government Grants Management, TO-5 System Hardening and Resiliency Plan (SHARP), Lafayette City-Parish, Louisiana** Lead grant writer for \$1.6M Grid Resilience and Innovative Partnerships (US Department of Energy) grant application for upgrading electrical systems throughout Lafayette Parish. Work included research and curating resources, crafting and editing grant narrative and preparing materials for submittal. The purpose of this grant is to elevate the resilience and reliability of Lafayette's electrical grid through a series of projects to address aging infrastructure and modernize management of the system.

Nathan Tipton

01/24-Ongoing	EBR Grants Management Program, T0-13 East Baton Rouge Parish Critical Flooding Watershed Crossing Improvements Project, East Baton Rouge City-Parish, Louisiana Lead grant writer for Bridge Investment Program (USDOT) grant application for bridge replacement project in north Baton Rouge and the City of Central. Work included researching and curating resources, crafting and editing grant narrative, soliciting and collecting letters of support, and preparing materials for submittal. The purpose of this grant is to replace three outdated and dangerous bridges in historically disadvantaged areas of Baton Rouge, producing positive safety and economic outcomes for residents of these areas.
09/23-Ongoing	EBR Grants Management Program, T0-09 Thomas Road Improvements Project, East Baton Rouge City-Parish, Louisiana Lead grant writer for successfully funded Neighborhood Access and Equity Grant Application (USDOT) for the Thomas Road Improvements Project. Researched and curated resources and crafted grant narrative for \$13M grant request to upgrade Thomas Road, an outdated two-lane rural connector roadway located in an historically underserved area, to make the road more pedestrian and bike-friendly and to provide better access to neighboring amenities such as the Baton Rouge Zoo and Greenwood Community Park. Grant was fully funded March 2024 and Grants Administration began May 2024.
06/23-Ongoing	Louisiana Coastal Protection and Restoration Authority (CPRA) Mid-Barataria Sediment Diversion Project Construction Administration and Quality Assurance Services (BA-153), Louisiana Project quality manager providing subconsultant training on HNTB QMS and monthly quality audits to maintain compliance with HNTB quality processes.
05/22-Ongoing	New Orleans Planning Commission New Orleans East I-10 Service Roads Feasibility Study, New Orleans, Louisiana Provided extensive QC throughout various stages of the study. Researched and compiled pedestrian and bicycle safety statistics along with transit passenger ridership numbers in conjunction with possible effects of roadway improvements in a heavily trafficked and pedestrian-bike unfriendly area of New Orleans East. Cross-checked information in feasibility study to verify accuracy, grammatical correctness, and narrative textual flow.
04/23-05/24	LADOTD/FHWA I-10 Calcasieu River Bridge and Approaches Project Management Plan, Calcasieu Parish, Louisiana Editor/QC providing reviewing, editing, formatting, and visual checking prior to delivery to LADOTD.
04/23-Ongoing	LADOTD/FHWA I-10I-10 Calcasieu River Bridge and Approaches Interchange Modification Report: Responses to Eight FHWA IMR Policy Points, Calcasieu Parish, Louisiana Editor/QC providing reviewing, editing, formatting, and visual checking prior to delivery to LADOTD.

16. Staff Experience

Firm employed by: **HNTB**



Name	Kate Trimble	Years of relevant experience with this employer	7
Title	Advisory Associate	Years of relevant experience with other employer(s)	N/A

Degree(s) / Years / Specialization MBA / 2017 / Finance
BA / 2016 / Business Administration

Active registration number / state / expiration date NA

Year registered NA **Discipline** NA

Contract role(s) / brief description of responsibilities Policy, Feasibility & Financial Evaluations

Kate has six years of transportation finance and accounting experience, and most notably served as an extension of staff directly supporting the CFO of the NC Turnpike Authority. Kate has an extensive background in financial modeling and analysis, as well as developing and managing annual operating and long-range capital budgets. She also has experience managing debt compliance reporting and preparing application packages for TIFIA credit assistance and USDOT discretionary grants.

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).
08/23-10/23	Michigan DOT, I-94 Modernization, Lansing, Michigan Project finance task lead who developed a financial model to conduct the financial feasibility and capacity analysis for various delivery scenarios.
08/17-Ongoing	New Hampshire DOT, Dover and Portsmouth Bus Terminals, Concord, New Hampshire Project finance task lead who conducted a financial statement analysis and prepared a summary report on key financial metrics.
01/23-03/23	LADOTD I-10 Calcasieu River Bridge, Calcasieu, Louisiana Project finance task lead who collaborated with LADOTD's third party financial advisors and supported the development of an Initial Financial Plan in accordance with FHWA Major Project requirements.
12/22-Ongoing	North Carolina DOT, Strategic Services, Raleigh, North Carolina Collaborating with financial lead to support a commercial terms review of the I-77 North Express Lanes project and assist with delivery options analyses for several priority projects.
09/22-Ongoing	Port of Hood River, Hood River Bridge Replacement, Hood River, Oregon Collaborated with task lead to develop a model and conduct financial capacity analyses. Provide advisory services and support the preparation of application packages for TIFIA credit assistance and USDOT discretionary grants.
07/22-12/22	Tolling Study, Michigan DOT, Lansing, Michigan Collaborated with task lead to develop and analyze financial feasibility, delivery options, and an implementation approach of projects for Michigan DOT's Tolling Study.
07/22-Ongoing	Oklahoma DOT, Road User Charge Pilot, Oklahoma City, Oklahoma Collaborate with task lead to develop a policy framework and funding analysis for the Road User Charge pilot.
12/21-Ongoing	North Carolina DOT, Multi-Modal Divisions, Raleigh, North Carolina Supports various financial, accounting, and budgeting activities for NCDOT's Division of Aviation, Ferry Division, Integrated Mobility Division, and Rail Division. Reviews and develops various financial models, reports, processes, and procedures. Manages the Ferry Division's annual appropriation, ranging from \$57 to \$74M, and collaborates with department leads to develop unit spend plans.

16. Staff Experience

Firm employed by: **HNTB**



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 PE: #40735 / LA / 09-30-2024

Year registered 2016 Discipline Civil

Contract role(s) / brief description of responsibilities Geotechnical Engineering

Brad is a geotechnical engineer experienced in 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 levee evaluation and design for various levee systems including the Dallas Floodway Project and the Kansas City Levee Project and field construction management. He is experienced using MicroStation V8i, gINT, GRLWEAP, LPILE, APILE, GROUP, SHAFT, Slope/W, Seep/W, Sigma/W, DEEPEX, and Settle3.

Experience dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

03/20-Ongoing **LADOTD 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.

02/19-06/19 **LADOTD I-10 Calcasieu River Bridge EIS, Lake Charles, Louisiana** Geotechnical engineer involved with evaluation of existing timber pile deep foundations. Provided an evaluation framework detailing risks and data gaps for the possible reuse of timber pile foundations. Due to identification of hazardous material contamination within the project footprint, a more detailed level of geotechnical and structural engineering investigation is required to define site and project impacts in this portion of the project.

12/20-Ongoing **East Baton Rouge Parish MOVEBR New Capacity Improvements Projects, East Baton Rouge Parish, Louisiana** Senior geotechnical engineer who is responsible for reviewing reports and plans for roadway improvement projects in East Baton Rouge Parish. He is also responsible for reviewing project geotechnical and pavement design guidelines in accordance with LADOTD requirements and review of technical geotechnical and pavement submittals for conformance with program design criteria for development of construction documents.

01/16/Ongoing **Louisiana Coastal Protection and Restoration Authority (CPRA) Houma Navigation Canal Lock Complex (HNC Lock Complex) Salinity and Flood Control Project Owner's Verification Review, Terrebonne Parish, Louisiana** Senior geotechnical engineer responsible for performing geotechnical inspection test report. The HNC lock complex is a major component of the Morganza to the Gulf of Mexico Hurricane & Storm Damage Risk Reduction System and is a salinity and flood control project. The geotechnical review consisted of technical design, constructability and operability review for the project. Major components of the project include a pile-supported lock with two sector gates, pile-supported floodgate with slice gates, closure wall consisting of pile-supported T-walls and braced sheet pile floodwall, earthen levee transitions, pile-supported maintenance and operations structures, and marine structures including guidewalls, nose piers and protection barriers. As part of the project, axial and lateral pile load tests were also performed and reviewed.

Brad Wilder

1/20-Ongoing	CPRA West Shore Lake Pontchartrain (WSP) 109 Levee and Floodwall Design, USACE New Orleans District, St. John the Baptist Parish, Louisiana Senior geotechnical engineer responsible for geotechnical reviews for approximately 1 mile of earthen levee embankment and T-wall type floodwall for nine pipeline crossings. Design includes the development of strength and consolidation design parameters, earthen levee embankment design including slope stability, settlement and seepage; T-wall design including pile capacity analyses, group settlement, downdrag, and settlement induced bending evaluations, and T-wall tie-in design including preloading and wick drains.
05/20-12/21	Southeast Louisiana Flood Protection Authority-East (SLFPA-E) Engineering IDIQ, Lake Ponchartrain and Vicinity, Louisiana Geotechnical engineer responsible for performing an analysis for a tripping dolphin pier protection replacement structure. The project is in the Orleans Levee District and involves the replacement of a total of ten tripping dolphins within the Gulf Intracoastal Waterway. Geotechnical analysis included shear strength evaluation and behavior of pile groups under both axial and lateral loading using a model created with GROUP software. HNTB provided engineering design services for final design, permitting and bid phase services.
01/19-12/20	St. Tammany Parish FEMA DFIRM Appeal, St. Tammany Parish, Louisiana St. Tammany Parish asked the help of HNTB to help negotiate an active appeal to FEMA regarding the coastal analysis utilized for the current preliminary DFIRMs. The project includes collecting and providing the documentation to support the use of an updated coastal analysis. It also includes evaluating the Levee Analysis Mapping Process (LAMP) approach that was utilized in generating the Base Flood Elevations in the levied areas based on the older coastal data and providing recommendations to the Parish. Brad was responsible for the LAMP review, collection of St. Tammany Parish flood control project documentation and a preliminary levee implementation plan including cost estimates. He worked in close coordination with the local St. Tammany Parish government to help with technical guidance, data collection, report reviews and FEMA coordination.
05/19-Ongoing	USACE Kansas City Flood Risk Management Project, Kansas City, Missouri and Kansas City, Kansas Senior geotechnical engineer for the 17 miles of levee and floodwall raise providing construction documents for the Armourdale and Central Industrial District levee units within the \$453M levee raise project protecting over \$9.5B in infrastructure. HNTB design includes new or modifications to levee, floodwall, gatewells, utility relocations, stoplog closures, sandbag closures, and pump station abandonments. He is a senior geotechnical team member responsible for development of geotechnical design criteria for the project, overall technical quality control for geotechnical design and preparation of project design documentation.
02/12-06/12	City Of Dallas, I-30/I-35E (Dallas Horseshoe) Interchange, Dallas, Texas Geotechnical engineer who was responsible for performing levee seepage and global stability, drilled shaft foundation, and MSE retaining wall stability analyses that including rammed aggregate pier foundation design due to the significant wall heights that are proposed. A geotechnical report was prepared detailing the analyses and design recommendations for the I-35 proposed bridges, retaining walls, and for the USACE Forth Worth District 408 permit. This project involved reconstruction of the most complex, urban multi-level interchange in the Dallas Metroplex, estimated at \$700M. HNTB completed the 30% PS&E, compiled schematics, conceptual TCPs, bridge layouts and estimates to support the development of DB procurement documents.

16. Staff Experience

Firm employed by: **HNTB**



Name	Ashton Williams	Years of relevant experience with this employer	2
Title	National Practice Manager, Associate Vice President	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	BA / 2006 / International Relations		
Active registration number / state / expiration date	NA		
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities	Policy, Feasibility & Financial Evaluations		

Ashton is focused on providing strategic and commercial support for major infrastructure and mobility projects to public owner organizations. He has accumulated 16 years of professional experience working for and advising leading transportation and mobility companies specialized in infrastructure operations, highway management, P3s, road charging solutions and services, and mobility payments. Ashton is accomplished in developing operational and financial forecasts, structuring and shaping development projects and transactions, and leading proposals for complex infrastructure and mobility 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).
05/23-Ongoing	Tennessee DOT, Choice Lane Program, Statewide Tennessee Advisor who leads the P3 development workstream for TDOT’s first project. His role involves leading financial feasibility and market sounding efforts, managing the third-party traffic and revenue consultant, developing a procurement schedule and risk matrix, and collaborating with the financial and legal advisor on the project’s key commercial terms and risk allocation.
01/23-Ongoing	North Carolina DOT, Multiple Projects, Raleigh, North Carolina Leads a review of the commercial terms of the I-77 North Express Lanes project and advising NCDOT on contract discussions with the private developer. He has been providing support to NCDOT’s senior leadership on delivery option analysis (toll vs. non-toll and public vs. private financing and delivery) for several priority projects including analyzing different commercial structures and funding alternatives such as federal grants. e has also advised NCDOT on several different proposals that they have received on the I-77 Express Lane corridor.
12/22-12/23	Georgia DOT, Major Mobility Investment Program, Raleigh, North Carolina Provided support to GDOT’s senior leadership on key commercial and strategic issues related to contract and procurement structure for the I-285 East Express Lanes project.
12/22-10/23	Oklahoma DOT, Oklahoma Fair Miles Program, Oklahoma City, Oklahoma Led the development and drafting of the policy framework document for Oklahoma’s Fair Miles program. The policy framework document provided an overview of Road Usage Charging (RUC) programs across the United States, examined Oklahoma’s RUC goals and objectives, examined different funding and pricing strategies, and analyzed key pilot considerations.
12/22-Ongoing	North Carolina DOT, Strategic Services, Raleigh, North Carolina Collaborating with financial lead to support a commercial terms review of the I-77 North Express Lanes project and assist with delivery options analyses for several priority projects.



Section 17

Firm Experience



17. Firm Experience			
Firm name	HNTB	Past Performance Evaluation Discipline(s)	Other (Alternative Delivery)
Project name	2016 & 2019 ALTERNATIVE DELIVERY IDIQ		Firm responsibility (prime or sub?) Prime
Project number	4400005030 & 4400017329	Owner's name	LADOTD
Project location	Statewide, LA	Owner's Project Manager	Peggy Jo Paine
Owner's address, phone, email	201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1065 / peggy.paine@la.gov		
Services commenced by this firm (mm/yy)	09/14 & 04/20	Total consultant contract cost (\$1,000's)	\$4,526 & \$5,580
Services completed by this firm (mm/yy)	09/19 & Ongoing	Total consultant services provided by this firm (\$1,000's)	\$2,786 & 3,772
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

As part of these two five-year-long IDIQ retainers focused on Alternative Delivery and Innovative Procurement, HNTB has completed seven and 12 task orders (TOs) respectively. A summary of each of these task orders are provided below:

» **2016 Alternative Delivery IDIQ:**

TO 1, CMAR Policies, Procedures, and Guidelines Development | DBB/DB/CMAR project selection matrix; standardized RFQ, SOQ form and contract language for CMAR Contractor selection; guidelines for selection of a review team as well as scoring methodology for CMAR Contractors; and stakeholder coordination including FHWA/AGC/ACEC. **TO 2, Baton Rouge Urban Renewal and Mobility Plan (BUMP) Unsolicited Proposal Evaluation** | Independent and unbiased feasibility analysis required by the LTA in response to submittal of an unsolicited P3 Pre-Development Agreement proposal for the BUMP Project. Specific services included assessment of the project alignment related to capital works; O&M costs, and rehab and renewal costs; a Level 1 traffic & revenue analysis; a toll implementation plan; toll system and back office capital cost and O&M forecasting; and feasibility modeling of the financing capacity of the project. **TO 3, Statewide Corridor Tolling Analysis** | As a follow up effort to the BUMP unsolicited proposal evaluation, this scope included identification and evaluation of potentially toll-viable projects. **TO 4 & 6, Procurement Support Services for I-10 Loyola and I-10/I-12 College Drive DB** | Assisting the LADOTD with procurement and proposal evaluation of both of these DB project along interstate highways. **TO 5, Procurement Support Services for the Belle Chasse P3** | Initial advertisement support, response to P3 team questions and clarifications on the projects, ATC review participation and support, including USCG, FHWA and USACE, and participation in evaluation of P3 Team qualifications. **TO 7, LA 1 INFRA Grant Application** | Preparation of a grant application to help fund construction of the LA 1, Phase 2 bridge project between Leeville and Golden Meadow. These efforts resulted in a \$135M award to the state from USDOT.

» **2019 Alternative Delivery IDIQ:**

TO 1, I-12 Managed Lane Conversion | Policy guidance development and recommendations as well as P3 procurement support for conversion of approximately 15 miles of inside shoulders along I-12 into what would eventually be a cash-managed lane. **TO 2, Advisory Support** | Analysis and support of DOTD regarding federal policy, funding initiatives and financing opportunities; strategic support of executive DOTD leadership; and strategic policy engagement. **TO 3, Jimmie Davis DB Procurement** | Scope included technical procurement support services to assist the DOTD in selecting a DB contractor to construct a new bridge and rehabilitate an existing structure crossing over the Red River in Bossier. **TO 5, Ruston Grant Application** | Development of an INFRA grant application to replace bridges and improve pedestrian access in Ruston. **TO 6, Baton Rouge to New Orleans Passenger Rail Study** | Updating an existing feasibility study including assessing existing infrastructure, determining capital & operating costs, estimating ridership & revenue, developing an implementation schedule, and assessing funding readiness. **TOs 7, 8 & 10, BR to NO Passenger Rail Grant Applications** | Development of four grant applications.

Key Staff: Dusty Bastion, Ed Crooks, Chris Kopp, Scott Cooper, Ben Goodner, Josh Porter, Jim Ray, Bobby Lewis, Randal Bonura, Brian Powell, Lynn Maloney-Mujica



RELEVANCY

- Alternative Delivery Tech Services (DB, CMAR, and P3)
- Financial Support Services (T&R)
- Toll Support Services
- Grant Application
- Toll & Revenue and Cost Benefit Analysis

17. Firm Experience			
Firm name	HNTB	Past Performance Evaluation Discipline(s)	Other (Alternative Delivery)
Project name	I-10 CALCASIEU RIVER BRIDGE REPLACEMENT EARLY WORKS PACKAGE		Firm responsibility (prime or sub?) Prime
Project number	H.003931 / H.012083	Owner's name	LADOTD
Project location	Westlake, LA	Owner's Project Manager	Paul Vaught
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 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	Total 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.
- » **Advanced NTP** | HNTB utilized five different task orders under three different IDIQ contracts to put together the entire early works package. Two of the task orders required the utilization of advanced NTPs to begin work while contracting was finished.

Key Staff: Dusty Bastion, Josh Porter, Ben Goodner, John Bernard, Lynn Maloney-Mujica, Brad Holleman, Ross Wilson



RELEVANCY

- Project Management and Support
- Environmental and Permitting Services
- Surveying Services
- Geotech Engineering Services
- Roadway/Hydraulic Engineering Services
- Bridge Design Services
- Plan Development Services

17. Firm Experience			
Firm name	HNTB	Past Performance Evaluation Discipline(s)	Other (Alternative Delivery)
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, LA	Owner's Project Manager	Ryan Morvant
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 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)	Ongoing	Total 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 toll bridge, also known as the "LA 1 Expressway," is an elevated toll road over the tidal marshes of the Mississippi River delta constructed to replace the previous low elevation route of LA 1, which is the sole land route to Port Fourchon, one of the nation's leading oil and gas ports, servicing 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 toll road northwards from Leesville to Golden Meadow, where it will connect with an existing four lane road (LA3235) inside the coastal levee system. The construction method that will be utilized 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:

- » **Tolling Program Support** | HNTB has been providing tolling services for LA 1 since 2017, including overall tolling program support as well as systems engineering analysis, annual trust indentured inspections, Toll system repairs and tolling operation system support. HNTB is currently overseeing all tolling activities in the state, including LA 1 Phases 1 and 2, Belle Chasse P3 bridge, and the Calcasieu P3 project.
- » **Grant Services** | HNTB played a key role in securing the largest INFRA grant award in 2020 (\$135M), which provided 30% of the funding required to complete Phase 2. HNTB developed the benefit cost analysis, comparing the construction cost to the value of the project benefits, and developed a narrative that highlighted the benefits and discussed project implementation. A key part of the application was letters of support, which were letters of commitment from key funding partners.
- » **Design Services** | As designer of record, design elements included 9 miles of elevated structure crossing canals, pipelines, wetlands and a levee, 300 feet of concrete T-wall and the associated 408 permit to help bolster the existing and future flood protection system, approach roadway and surrounding local road tie-ins, signage layouts, geotechnical, ITS, electrical and tolling. The associated INFRA grant required funding be obligated by March 31,2023, so an expedited schedule was required to get the contractor under contract and construction could begin. HNTB delivered the nearly 1,200 sheet plan set on time utilizing a condensed schedule and extensive collaboration between multiple disciplines and 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 cost were minimized, and utilizing majority precast elements for the top down construction portion to eliminate the time required for cast-in-place construction.
- » **Construction Services** | HNTB is providing construction services, including the monitoring of pile driving using PDA devices, which will ensure a seamless integration of field pile data with the design.

Key Staff: Dusty Bastion, Josh Porter, Ben Goodner, Marc Hoffmann, Patrick Duffy



RELEVANCY

- Project Mnnagement and Support
- Environmental and Permitting Services
- Geotechnical Engineering Services
- Roadway Design and Hydraulic Eng. Services
- Bridge Design Services
- Plan Development and Letting Support Services
- Construction Support

17. Firm Experience			
Firm name	HNTB	Past Performance Evaluation Discipline(s)	Roadway & Bridge
Project name	I-10/LP 375/BORDER HIGHWAY WEST EXPRESSWAY C/D LANES (GO 10) PS&E	Firm responsibility (prime or sub?)	Prime
Project number	2121-02-137	Owner's name	TxDOT
Project location	El Paso County, Texas	Owner's Project Manager	Tony Santana
Owner's address, phone, email	13301 Gateway West Blvd, El Paso TX 79936 / (915) 790-4390 / antonio.santana@txdot.gov		
Services commenced by this firm (mm/yy)	01/13	Total consultant contract cost (\$1,000's)	\$13,000
Services completed by this firm (mm/yy)	08/19	Total consultant services provided by this firm (\$1,000's)	\$13,000
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

I-10 in El Paso from SH 20 Mesa Drive to Executive Center Blvd. (approximately 6 miles) needed to be widened to add capacity, and most importantly be upgraded to carry traffic to and from the new Border Highway West project. Since the Border Highway West project was already under development, TxDOT needed to expedite the design and construction of I-10.

PS&E for this 6-mile upgrade and widening of I-10 included reconstruction of multi-level interchanges and the addition of collector/distributor (C/D) lanes. HNTB identified significant refinements in the schematic that incorporated C/D lanes and consolidated three entrance ramps, which drastically improved capacity and reduced the construction cost by over \$20M. The PS&E package was completed in nine months to meet an accelerated letting date.

HNTB also led the agency coordination which included maintenance of traffic, utilities and floodplain coordination. Specific activities included TCP, phasing, roadway layouts, signal systems, value engineering, retaining walls, quantities and cost estimates. For the construction phase, HNTB led the design of new phases for TCP to keep traffic moving on this major urban interstate; assisted District and Area offices throughout the four -year construction; coordinated with local agencies including City, Sun Metro, El Paso Water; coordinated with two large adjacent TxDOT projects (Border West, Mesa Park); and for retaining walls, led the design of incorporating a soldier pile wall in lieu of a drilled shaft wall. This saved TxDOT over \$1M in construction costs. The savings from this wall allowed TxDOT to add aesthetics enhancements. MOT phasing plans along the I-10 MLs and at North Mesa Street and Sunland Park Drive were implemented to maintain two lanes of traffic each way on I-10 at all times.

HNTB also implemented an innovative drainage design to handle high-seasonal flows in this desert region, seven bridge widenings, and reconstruction of two direct connectors and four diamond interchanges. For the drainage and utility schematic tasks, the HNTB team prepared H&H studies using softwares such as Geopak Drainage, Culvert Master, HEC-HMS, and HEC-RAS. The team prepared preliminary engineering designs of several major roadway crossings (35 culverts and outfalls to the Rio Grande River); calculated the backwater (hydraulic grade line) elevations using Geopak Drainage for the storm sewer systems (over 20 different systems of 14,000 lf of RCP); identified 300 deck drains for bridge drainage; prepared the layout for 8,000 lf of PVC pipe required for draining the bridges; identified 20,000 lf of steel pipe for the bridge area adjacent and over the Rio Grande River; identified the location of the water quality catch basins; and computed the footprints and requirements for several retention/detention facilities (13 retention/detention basins/ponds).

Key Staff: Lesley Vance Short



RELEVANCY

- Project Management and Support
- Roadway/Hydraulic Engineering Services
- Bridge Design Services
- Plan Development Services

17. Firm Experience			
Firm name	HNTB	Past Performance Evaluation Discipline(s)	Other (P3)
Project name	GEORGIA DOT (GDOT) MAJOR MOBILITY INVESTMENT PROGRAM (MMIP)		Firm responsibility (prime or sub?) Prime
Project number	N/A	Owner's name	Georgia DOT
Project location	Atlanta, GA	Owner's Project Manager	Darryl VanMeter
Owner's address, phone, email	600 W Peachtree Street NW, Atlanta, GA 30308 / (404) 631-1703 / dvanmeter@dot.ga.gov		
Services commenced by this firm (mm/yy)	06/04	Total consultant contract cost (\$1,000's)	\$757,521
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$350,094
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

The MMIP is a 10-year, \$11B bonded program that includes both DB and P3 projects. Since 2004, HNTB has served as the program manager and technical advisor to GDOT's P3 Division and its Offices of Alternative Delivery (OAD) and Express Lanes (OEL). These divisions manage all projects to be delivered using alternative delivery methods. The P3 Division is charged with developing, procuring and delivering alternative delivery and alternative finance projects within GDOT and manages delivery of all toll and managed lane projects. The most recent programs are described below:

2011 Program Management, Technical Advisory and GEC - On the 2011 contract, HNTB provided GDOT with program and project management, DB and P3 procurement support, feasibility studies, risk assessments, traffic and revenue analysis, preparation of performance-based technical specifications and contractor/developer negotiations.

2016 Program Management, Technical Advisory and GEC - On the current contract for GDOT, HNTB is providing oversight to a mix of existing and upcoming projects ranging in value from \$20M to ~\$5B. The team's scope includes: program and project management; policy and program controls (document control, cost estimating, scheduling, risk assessment and management, reporting, trend analysis); contract document and procurement process development; contract administration; cash flow analysis; quality management; DBE mentoring communications and outreach; planning; NEPA and environmental permitting; engineering; O&M forecasting; design and construction oversight; ITS and traffic operations; utility coordination; ROW acquisition support; regional transportation management planning; and materials testing support.


Throughout all of these contracts, HNTB has been GDOT's strategic commercial services transaction advisor, working closely with GDOT executive leadership and helping shape and implement market engagement initiatives.

Key Staff: Ed Crooks, Jeff Burst, Gay Knipper, David Boss



RELEVANCY

- Full breadth of critical project delivery, from early stage planning and concept formation, to design and development, through procurement and final contract negotiation, and finally through post-let activities to final completion.
- Deep experience in current market practice and extensive engagement with today's industry players at all levels.

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Geotech
Project name	I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 CMAR		Firm responsibility (prime or sub?) Sub
Project number	SP No. H.004100.5	Owner's name	LADOTD
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Nicholas Olivier
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1133 / nicholas.olivier@la.gov		
Services commenced by this firm (mm/yy)	07/21	Total consultant contract cost (\$1,000's)	\$20,800
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$692
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

The CMAR project scope consists of 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 mile. Ardaman is the geotechnical consultant on the CMAR team and is currently providing geotechnical support for Segment 1 which starts near the I-10 and I-110 split between Napoleon and St Joseph Streets to Acadian Thruway entrance and exit ramps.

Ardaman previously completed 58 soil borings and associated laboratory testing based on LADOTD standards, and 11 electronic cone penetration tests (ECPT) in the preliminary portion of the widening project between Napoleon Street and Louise Street under our current retainer contract in support of the project. In addition, Ardaman performed geophysical surveys along the entire alignment, which allowed for survey of the subsurface conditions between the boring locations. Ardaman is currently performing 37 additional soil borings along the Segment 1 area to supplement existing data along the alignment.


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 and analyze all the supplied soil boring data provided by LADOTD and the additional borings that are currently being performed. The engineering analyses consist of detailed selection of design reaches and design soil parameters, slope stability and settlement of earth retained structures, soil-structure interaction with existing structures, deep foundation design, and load testing recommendations. A preliminary geotechnical assessment report was prepared, and a final geotechnical design report will be submitted.

Key Staff: Megan Bourgeois



RELEVANCY

- Geotechnical services that includes laboratory testing o LADOTD standards
- Development of an interactive geotechnical database to compile and analyze all the supplied soil boring data provided by LADOTD

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Geotech
Project name	I-20 MISSISSIPPI RIVER BRIDGE REVIEW		Firm responsibility (prime or sub?) Sub
Project number	SP No. H.004646 09-L1049, H.010603.6 13-3720, H.010612.6 20-3729	Owner's name	LADOTD
Project location	Madison Parish, LA	Owner's Project Manager	Chris Nickel
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1100 / chris.nickel@la.gov		
Services commenced by this firm (mm/yy)	10/09	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$7,326
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

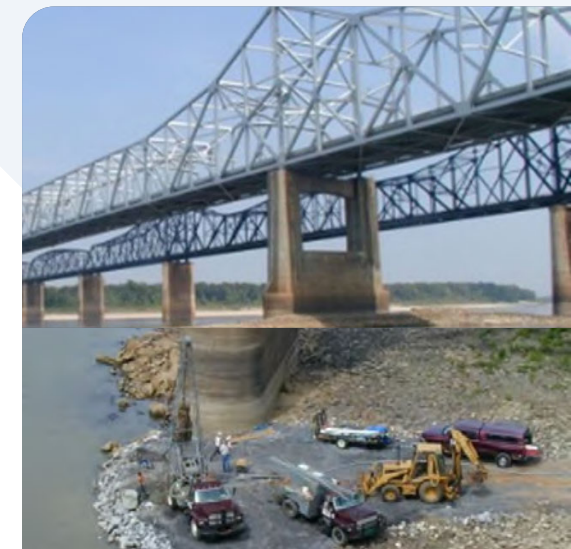
Ardaman conducted a geotechnical study to develop a list of technically feasible remedial alternatives to decrease the potential for ground movements to occur at the site of the I-20 Bridge. Movement of the east abutment of the bridge was first realized in 2001 during an inspection. Over the years Mississippi 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: Megan Bourgeois



RELEVANCY

Geotechnical services that includes developing a list of technically feasible remedial alternatives to decrease the potential for ground improvements.

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Geotech
Project name	I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167)		Firm responsibility (prime or sub?) Sub
Project number	SP No. H.004273.5	Owner's name	LADOTD
Project location	Lafayette Parish, LA	Owner's Project Manager	Chris Nickel
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1100 / chris.nickel@la.gov		
Services commenced by this firm (mm/yy)	07/15	Total consultant contract cost (\$1,000's)	\$21,000
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$1,889
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

The overall project includes construction of a freeway with accompanying interchanges in the Evangeline Thruway US 90/US 167 corridor and flanking collector/distributor roads for local traffic circulation and land access. The project begins just south of the Lafayette Regional Airport and continues north to the I-10/US 167/I-49 interchange, a length of approximately five miles, 3.5 of which consist of elevated structure. The project includes one three-level directional interchange at Kaliste Saloom Road (majority of interchange on structure); two full diamond interchanges at University/Surrey Street and Willow Street; two single point diamond interchanges at Johnston Street and 2nd/3rd Streets with associated railroad grade separations and arterial cross street studies involved; and various cross street connections at Pinhook Road, Jefferson Street, Mudd/Simcoe Street, Donlon Street, Castille/Martin Luther King Road and several minor streets.


The scope of services for this project includes preconstruction engineering design and related services for the construction of 5 miles of freeway consisting of a 3.5 mile-elevated structure that will include pile supported approach slabs, pile foundations, slope stability, pavement recommendations, embankment settlement, development of an advanced load test program, earth retaining structures, pavement design recommendations, and development of a design report presenting the geotechnical recommendations. The goal of the project is to design and construct the freeway and connecting infrastructure within the parameters and commitments of the selected alternative. Ardaman is currently conducting the geotechnical field investigation which consists of approximately 400 deep and shallow borings and Cone Penetrometer (CPT) soundings (including field reconnaissance, gaining rights of entry, completing utility location, GPS location and water table elevations), laboratory testing, and geotechnical engineering analyses and design for this project.

Key Staff: Megan Bourgeois



RELEVANCY

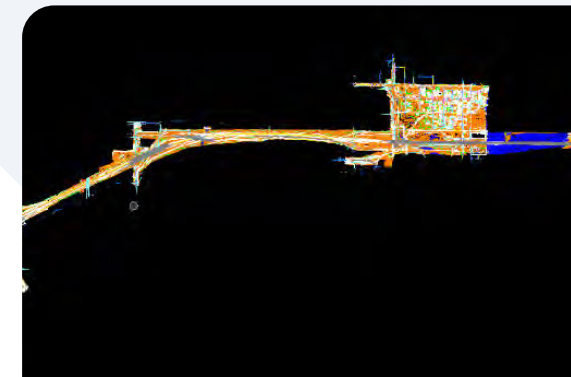
Geotechnical field investigation which consists of deep and shallow borings and Cone Penetrometer (CPT) soundings (including field reconnaissance, gaining rights of entry, completing utility location, GPS location and water table elevations), laboratory testing, and geotechnical engineering analyses and design.

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Geotech
Project name	CALCASIEU RIVER BRIDGE (HBI)		Firm responsibility (prime or sub?) Prime
Project number	H.003931	Owner's name	LADOTD
Project location	Calcasieu Parish, LA	Owner's Project Manager	Barrett.Smith@la.gov
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1292 / barrett.smith@la.gov		
Services commenced by this firm (mm/yy)	05/21	Total consultant contract cost (\$1,000's)	\$4,282
Services completed by this firm (mm/yy)	12/22	Total consultant services provided by this firm (\$1,000's)	\$4,282
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

ForTE and Tablada completed this survey comprised of four task orders under multiple IDIQ Contracts for Professional Surveying Services for LADOTD. Spanning approximately seven miles, it involved a comprehensive topographic survey of interstate I-10, the I-10 Bridge over the Calcasieu River, and the Calcasieu River Ship Channel, with much of the work conducted within a high-traffic industrial area. Our team established primary survey control, including deep rod monuments meeting National Geodetic Survey standards, to ensure accurate data collection. We conducted a comprehensive topographic survey that met LADOTD On-System survey standards, utilizing conventional, terrestrial LiDAR, and Mobile LiDAR survey methods to minimize risks to field crews. Particularly, LiDAR survey methods enabled detailed capture of deck and substructure features of multiple bridges.


Additionally, we performed a multibeam hydrographic survey of the channel, adjacent water bodies, and canals within the project limits, which included identifying existing bridge substructures, fender systems, and debris, complemented by a magnetometer survey. Services also encompassed producing an existing drainage map covering the survey area and a half-mile perimeter beyond, as well as utility surveys assisted by a Subsurface Utility Engineer's utility locations. The project's magnitude necessitated the mobilization of up to six crews, demonstrating ForTE and Tablada's capability to efficiently execute large-scale topographic survey tasks within tight project timelines.

Key Staff: Bradley Holleman, Ross Wilson, Brent Campbell



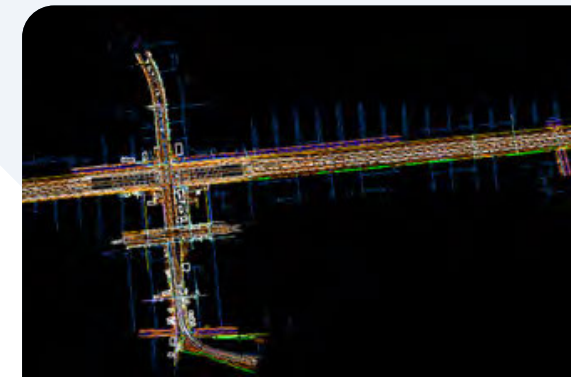
RELEVANCY

- Task orders under multiple IDIQ Contracts for Professional Surveying Services for LADOTD
- Comprehensive topographic survey, with much of the work conducted within a high-traffic industrial area

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Survey
Project name	I-10/ LOYOLA INTERCHANGE IMPROVEMENTS		Firm responsibility (prime or sub?) Sub
Project number	H.011670	Owner's name	LADOTD
Project location	Kenner, LA	Owner's Project Manager	Tim Nickel
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1292 / timothy.nickel@la.gov		
Services commenced by this firm (mm/yy)	07/19	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	01/20	Total consultant services provided by this firm (\$1,000's)	\$552
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			


ForTE and Tablada assumed the role of prime surveyor, overseeing QA/QC processes across collaborating survey firms in a comprehensive project spanning from the Kenner levee to the Williams Blvd. off-ramp, inclusive of sections of Loyola Avenue and Veterans Blvd. The oversight encompassed topographic surveys, right-of-way mapping, property surveys, drainage surveys, and rigorous QA/QC oversight for this DB initiative. Amidst the collaborative effort, our expertise ensured seamless coordination and adherence to quality standards, underscoring our role in maintaining project integrity and success despite challenges such as the rapid subsidence of the Airport entryway in marshland terrain.

Key Staff: Ross Wilson



RELEVANCY

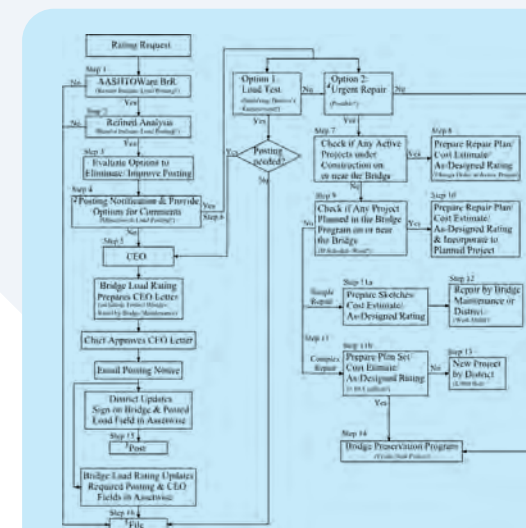
Surveying services including topographic surveys, right-of-way mapping, property surveys, drainage surveys, and rigorous QA/QC oversight for this DB initiative.

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Geotech
Project name	IDIQ CONTRACT FOR BRIDGE LOAD RATING SERVICES - T01 & T06		Firm responsibility (prime or sub?) Prime
Project number	SP No. H.009859	Owner's name	LADOTD
Project location	Statewide, LA	Owner's Project Manager	William Metcalf
Owner's address, phone, email	1212 E Hwy Dr, Baton Rouge, LA / (225) 379-1741 / william.metcalf@La.gov		
Services commenced by this firm (mm/yy)	09/22	Total consultant contract cost (\$1,000's)	\$21,000
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$1,889
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

As part of a Load Rating retainer contract with LADOTD, Forte and Tablada is currently tasked with inspecting and load rating 95 on-system slab span bridges and 65 on-system girder span bridges that have experienced a Superstructure or Substructure Condition Rating drop since the last time it was load rated. The load ratings are being performed in accordance with LADOTD BDEM.96 - Publication of Load Rating, Posting and Strengthening Standard Operating Procedure. Task 1 entails the gathering of bridge documentation; Tasks 2 and 3 include the load rating and creation of a Load Rating Report in accordance with the requirements of the LADOTD BDEM; Task 4 is a Site Visit (as required to gather bridge characteristics for the load rating and to observe deficiencies).


Bridge types range from slab spans and girder spans utilizing historical LADOTD Standard Details to complex bridges over 1000' long in urban locations. Due to the age and poor condition of these bridges, the load ratings required consideration of multiple deteriorated and retrofitted components. Additionally, many required an advanced analysis in order to maximize the posted load. For bridges that required a posting (or closure), repair recommendations to improve (or remove) the posting were developed. Once the repairs are made, updated load rating reports are quickly provided to restore the functionality of these bridges to the traveling public.

Key Staff: Joffrey Easley



RELEVANCY

- Bridge Design
- Geotechnical Engineering
- Load ratings are being performed in accordance with LADOTD BDEM.96 - Publication of Load Rating, Posting and Strengthening SOP
- Utilizing LADOTD Standard Details to complex bridges over 1000' long in urban locations

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Traffic
Project name	TRAFFIC SIGNAL DESIGN AND TRAFFIC ENGINEERING RETAINER CONTRACTS		Firm responsibility (prime or sub?) Prime
Project number	44-25299 / 44-0651 / 44-2630 / 44-4064	Owner's name	LADOTD
Project location	Baton Rouge, LA	Owner's Project Manager	Ryan Hoyt
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1370 / ryan.hoyt@la.gov		
Services commenced by this firm (mm/yy)	01/09	Total consultant contract cost (\$1,000's)	\$12,250
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$8,280
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

From 2009 to present, Neel-Schaffer was selected by the Louisiana Department of Transportation and Development, through its consultant selection process, for the following traffic signal design and traffic engineering retainer contracts. Under these retainer contracts, traffic counting (data collection), warrant analysis, traffic analysis and modeling using HCS/Synchro/Vissim, intersection/corridor analysis, traffic signal design, and traffic signal inventories (TSI) were performed on a task order basis. Specific projects completed under these task orders are as follows.

Contract No. 440000651 - Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2009-2013), \$2.25M

- » LA 24 Signal Upgrade Plans (Houma, LA)
- » US 165 Corridor Study using Vissim (Pineville, LA)
- » US 71/LA 28 Signal / Timing Design (Alexandria, LA)
- » US 190 Superstreet Corridor Study (Covington, LA)
- » LA 447 Corridor Study (Walker, LA)
- » LA 1208-3 Signal Timing Study (Alexandria, LA)

Contract No. 4400002630 - Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2012-2015), \$2.0M

- » LA 16 Corridor Study (Watson, LA)
- » District 62 Signal Inventory (255 intersections)
- » LA 1088 Corridor Study (Mandeville, LA)
- » LA 21 Corridor Study (Covington, LA)
- » LA 42 Corridor Study (Ascension Parish, LA)
- » US 190 (Collins Blvd.) Corridor Study (Covington, LA)

Contract No. 4400004064 - Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2014-2017), \$3.0M

- » LA 22 Corridor Study (Mandeville, LA)
- » US 71/LA 28 Signal Timing Study (Alexandria, LA)
- » LA 1208-3 Corridor Study (Alexandria, LA)
- » LA 22 Corridor Study (Ponchatoula, LA)
- » US 425/US 84 Corridor Study (Ferriday/Vidalia, LA)
- » US 171 / US 190 Signal Timing Study (DeRidder, LA)


Contract No. 4400025299 - IDIQ Contract for Traffic Engineering (2023 - 2028), \$5.0M

- » District 02 FYA, Part 2 (Houma, LA)
- » LA 47 (Haynes Blvd.) Safety Study (New Orleans, LA)

RELEVANCY

- Traffic Engineering and Design Services
- Retainer contracts that included traffic counting (data collection), warrant analysis, traffic analysis and modeling using HCS/Synchro/Vissim, intersection/corridor analysis, traffic signal design, and traffic signal inventories (TSI) that were performed on a task order basis.

Key Staff: Nick Ferlito

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Road
Project name	I-20: LA 544 OVERPASS REPLACEMENT		Firm responsibility (prime or sub?) Prime
Project number	H.010616	Owner's name	LADOTD
Project location	Baton Rouge, LA	Owner's Project Manager	Jacob Fusilier
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1185 / jacob.fusilier@la.gov		
Services commenced by this firm (mm/yy)	01/09	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$858
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

Neel-Schaffer is currently working on the 95% final plans for this project. The firm is responsible for providing the preliminary and final roadway plans, traffic control design QA/QC, TMP QA/QC, sequence of construction, hydraulic analysis and design, frontage roadways and MOT which maintains access to prosperities during construction. This project will replace the LA 544 Overpass diamond interchange with a roundabout diamond interchange. The project includes a new bridge over I-20, roadway improvements to I-20 and the ramps, roadway widening (from 2 to 4 lanes), sidewalks and four multilane roundabouts. The four roundabouts will be constructed with locations as follows: on LA 544 at the I-20 entrance/exit ramp intersections and on LA 544 at its intersections with the frontage roads (Woodward Avenue & S. Service Road). The bridge design and retaining wall design will be completed by LADOTD.

Challenges:

Large grade changes required along ramps without impacts to the gores.

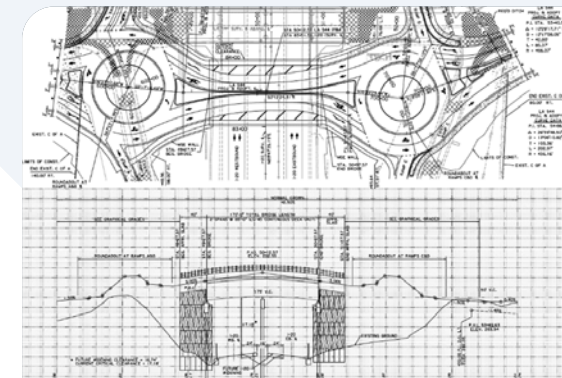
Structural design by DOTD while roadway design is completed by consultants.

Solutions:

NSI provided for a variation in the ramp design speed (between the ramp proper and terminal) which provided ramp vertical alignments that met the design requirements but prevented changes in access that might require an IMR.


NSI completed the design in close coordination with DOTD early on and continually during the design process. NSI proposed alignments minimized the construction phasing for retaining walls, provided for interstate clearances which would allow for future interstate widening and provided desirable bridge phasing while minimizing impacts. NSI and DOTD are working as one team to successfully complete the project.

Key Staff: Nick Ferlito, Dishili Young



RELEVANCY

- Roadway Design and Hydraulics Services
- Preliminary and final roadway plans, traffic control design QA/QC, TMP QA/QC, sequence of construction, hydraulic analysis and design, frontage roadways and MOT which maintains access to prosperities during construction.

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Traffic
Project name	I-10/12 COLLEGE FLYOVER RAMP DB		Firm responsibility (prime or sub?) Sub
Project number	H.013897	Owner's name	LADOTD
Project location	Statewide, LA	Owner's Project Manager	Catherine Mastin
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1652 / catherine.mastin@la.gov		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$971
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

This project improves the safety and flow of traffic between the I-10/I-12 Split and College Drive by eliminating lane changes that must occur when I-10 WB traffic exits at College Drive. The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard. Neel Schaffer is tasked with performing the traffic engineering and modeling, Interstate Modification Report and address FHWA 8 Policy Points, Transportation Management Plan (TMP) and is providing the Independent Technical Review for Roadway Design and Traffic Control Plans.

The traffic analysis for the IMR was completed using a calibrated VISSIM model. Existing, No Build and Build models were developed using VISSIM and results were documented to demonstrate the proposed improvements.

Neel-Schaffer's tasks include:


- » Field Observations
- » Calibrated VISSIM Modeling following Traffic Engineering Report and Process
- » Prepare the Interstate Modification Report and addressing FHWA 8 Policy Points
- » Transportation Management Plan (TMP) and mesoscopic modeling
- » Independent Technical Review (ITR) for the Roadway Design and Traffic Control Plans.

Key Staff: Nick Ferlito, Dishili Young, Mai Nguyen, Jonathan Duhe



RELEVANCY

- Traffic engineering and modeling, Interstate Modification Report
- Addressing FHWA 8 Policy Points
- TMP
- Independent Technical Review for Roadway Design and Traffic Control Plans

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	CE&I
Project name	US 90 ATCHAFALAYA RIVER BRIDGE REHABILITATION		Firm responsibility (prime or sub?) Sub
Project number	H.011494	Owner's name	LADOTD
Project location	Morgan City, LA	Owner's Project Manager	Nicholaus Ray
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (337) 278-5340 / nicholaus.ray@la.gov		
Services commenced by this firm (mm/yy)	4/19	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	10/22	Total consultant services provided by this firm (\$1,000's)	\$1,230
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

The project consisted of the cleaning and painting of the US 90 Atchafalaya River Bridge main span.

KGC's scope included:


- » Air monitoring
- » Soil and water sampling

Key Staff: Kevin Guth



RELEVANCY

- Material Sampling & Testing

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Other (Subsurface Utility Engineering)
Project name	LA 594 OVERPASS AT I-20		Firm responsibility (prime or sub?) Prime
Project number	H.012541	Owner's name	LADOTD
Project location	Ouachita Parish, LA	Owner's Project Manager	Barrett Smith
Owner's address, phone, email	1201 Capitol Access Road, Room 501-I Baton Rouge LA 70802 / (225) 379-1292 / barrett.smith@la.gov		
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost (\$1,000's)	\$125
Services completed by this firm (mm/yy)	07/22	Total consultant services provided by this firm (\$1,000's)	\$125
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			


Located in Ouachita Parish, Louisiana, near the intersection of I-20 and Texas Avenue (LA 594), TBS provided Quality Level B services along a linear distance of approximately 4,055 feet. While most utilities proved locatable, the existing water lines were difficult to designate. TBS used a combination of probing and records review to determine the location of the water mains within the project limits.

Key Staff: TJ Stokes, Perry Smith



RELEVANCY

- Utility Coordination Services

17. Firm Experience			
Firm name	 T. BAKER SMITH A CENTURY OF SOLUTIONS	Past Performance Evaluation Discipline(s)	Subsurface Utility Engineering
Project name	CALCASIEU RIVER BRIDGE		Firm responsibility (prime or sub?) Prime
Project number	H.003931	Owner's name	LADOTD
Project location	Calcasieu Parish, LA	Owner's Project Manager	Peggy Paine
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1065 / peggy.paine@la.gov		
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost (\$1,000's)	\$1,830
Services completed by this firm (mm/yy)	03/24	Total consultant services provided by this firm (\$1,000's)	\$1,830
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

TBS provided Quality Level B and Quality Level A SUE services as well as utility coordination during design for this project along I-10 in Lake Charles. The purpose of the project is to replace the existing I-10 bridge crossing Lake Charles. This is one of the largest SUE projects in the history of LADOTD with the Quality Level B limits starting at the intersection of I-10 and Enterprise Boulevard and continuing west along I-10 past the intersection of I-10 and I-210 for a linear distance of roughly 7 miles. The limits also included a large portion of the Westlake area just north of I-10. The Quality Level A services consisted of performing test holes on all utilities, with a diameter of larger than 4", crossing the centerline of the road and accounted for over 100 test holes performed. The utility coordination portion of the project comprised of the creation of a detailed conflict matrix showing where the existing utilities may impact the proposed construction.

This is a highly congested area and there are numerous pipelines throughout the corridor due to the abundance of chemical plants in the area. Determining the location of these pipelines was crucial to the design of the project and both Quality Level B designation and Quality Level A test holes were performed on every pipeline within the project limits. TBS coordinated continuously with the pipeline owners to perform test holes on these facilities, which in turn, slowed down the production rate of the field staff. TBS was able to offset the decreased production with constant communication with the pipeline companies and ensuring the field staff had an efficient plan of attack for each day in the field. The City of Westlake facilities such as water, sewer and gas proved to be difficult to locate and the records were outdated and unclear. A combination of designating, test holes and ingenuity was used to properly map out these utilities.


Utility coordination services proved to be very extensive and were used to inform the utility companies of the impact the project would have on their facilities. The difficult part of the process was the fact that there wasn't a finished design to determine conflicts which required a good bit of assumptions to be made where conflicts were anticipated. A new process and precedent were set to accomplish the goals posed by LADOTD.

Key Staff: TJ Stokes, Perry Smith



RELEVANCY

- Utility Coordination Services

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	CE&I/OV
Project name	EBR COMPUTERIZED TRAFFIC SIGNAL, PH VB		Firm responsibility (prime or sub?) Sub
Project number	H.007160	Owner's name	LADOTD
Project location	East Baton Rouge, LA	Owner's Project Manager	Desmond Sam
Owner's address, phone, email	8100 Airline Highway, Baton Rouge, LA 70815 / (225) 231-4123 / desmond.sam@la.gov		
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost (\$1,000's)	\$603.989
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$93.368
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			


Vectura is providing traffic signal equipment inspection for 24 traffic signals under the following scope:

- » Signal Equipment Inspection (two visits per intersection)
 - Tracking the Sampling and Testing of required Traffic Signal Materials
 - Attend and review Fiber Optic Test results
- » Coordinate Review and Approval of all shop drawings
- » Provide traffic signal support services
 - Troubleshoot traffic signal equipment related problems such as foundation, utility conflicts
 - Field visits (10 months)
- » Assist in preparing change orders for DOTD
 - City Parish (two separate forms)
- » Attend monthly progress meetings
 - Assist with monthly progress meeting agenda and minutes
- » Compile as-built plans from contractor
- » Final inspection field visit to all intersections
 - Assist with developing punch list
 - Final field visit verification

Key Staff: Brin Ferlito, Laurence Lambert

RELEVANCY

- Traffic Engineering Services
- Signal Equipment Inspection
- Traffic Signal Support

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Traffic, CE&I/OV
Project name	BELLE CHASSE BRIDGE & TUNNEL REPLACEMENT P3		Firm responsibility (prime or sub?) Sub
Project number	H.004791	Owner's name	LADOTD
Project location	Belle Chasse, LA	Owner's Project Manager	Nick Olivier
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) -379-1133 / nicholas.olivier@la.gov		
Services commenced by this firm (mm/yy)	04/19	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$218.89
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			


Vectura is providing the traffic engineering services for the replacement project and improvements along LA 23. Vectura is responsible for the following tasks:

- » Preliminary and final traffic studies
- » Temporary and final traffic signal plans
- » Assist the prime with Traffic Management Plan (TMP)
- » Response to request for information
- » As-built plans for the traffic signals

Key Staff: Brin Ferlito, Laurence Lambert

RELEVANCY

Traffic studies and design

17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Other (Subsurface Utility Engineering)
Project name	I-12 TO BUSH - LA 3241 (I-12 - LA 36) CORRIDOR STUDY		Firm responsibility (prime or sub?) Prime
Project number	H.004957.5	Owner's name	LADOTD
Project location	Lacombe, LA	Owner's Project Manager	Joe Umeozulu
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1386 / joachim.umeozulu@la.gov		
Services commenced by this firm (mm/yy)	09/16	Total consultant contract cost (\$1,000's)	\$1,895
Services completed by this firm (mm/yy)	05/17	Total consultant services provided by this firm (\$1,000's)	\$84
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

As part of the LADOTD TIMED program, Vectura prepared a formal traffic study for the new alignment of LA 3241. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management and complete streets. The study included analyses for intersection and corridor improvements such as median openings, spacing of openings, signalized, unsignalized and roundabout intersections.

Task 1 Data Collection; Vectura collected the following traffic data for 10 intersections:

- » 7-day (mainlines) and 2-day (side streets) 24-hour tube counts with vehicle classification
- » Turning movement counts for morning and evening peak periods
- » 15-minute driveway counts
- » Traffic Signal warrants, radar speed studies and sight distance evaluation
- » Developed growth rate methodology and AM and PM peak forecast traffic volumes

Task 2 Traffic Study: This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1 and DOTD Traffic Engineering Manual Section 20.2. This task included the following elements:

- » Performed Vistro and Sidra analyses for existing conditions
- » Performed Vistro and Sidra analyses for Implementation and Design Years.
- » Intersection alternatives included restricted median openings, signalized and unsignalized intersections, median U-turns at existing signal locations, restricted crossing U-turn (RCUT) intersections, and roundabouts
- » Developed Vissim model of the preferred corridor layout
- » Developed Draft Traffic Study Report (3 copies)

Task 3 Safety Analyses

- » Developed three-year crash analyses report as per DOTD standards

Key Staff: Brin Ferlito, Laurence Lambert

RELEVANCY

- Traffic Engineering & Studies
- Utilized latest LADOTD policies related to access management and complete streets.
- Analyses for intersection and corridor improvements such as median openings, spacing of openings, signalized, unsignalized and roundabout intersections.



Section 18

Approach and Methodology

18. Approach and Methodology

INTRODUCTION AND PROJECT UNDERSTANDING

The HNTB team is uniquely qualified to provide LADOTD with comprehensive alternative delivery support, advisory, and critical project design services based on our breadth and depth of highly skilled individuals, and history of delivering critical projects. We offer a full-service team of local staff backed by national expertise with recent, relevant experience to drive delivery of critical projects of all scopes and scales.

We understand that critical projects are those that have been identified by LADOTD as vital to the transportation and development needs of the State. Many of these critical projects are funded outside of LADOTD's traditional funding sources, requiring the utilization of grants, bonds, tolls, or other innovative funding sources. Critical projects may fall into two main categories – those requiring innovative or alternative delivery methods, such as Design Build (DB), Public Private Partnerships (P3), Construction Management at Risk (CMAR), Progressive Design Build (PDB) and those projects requiring traditional engineering services ranging from road and bridge engineering; environmental and planning; surveying; construction engineering; and geotechnical exploration and engineering.

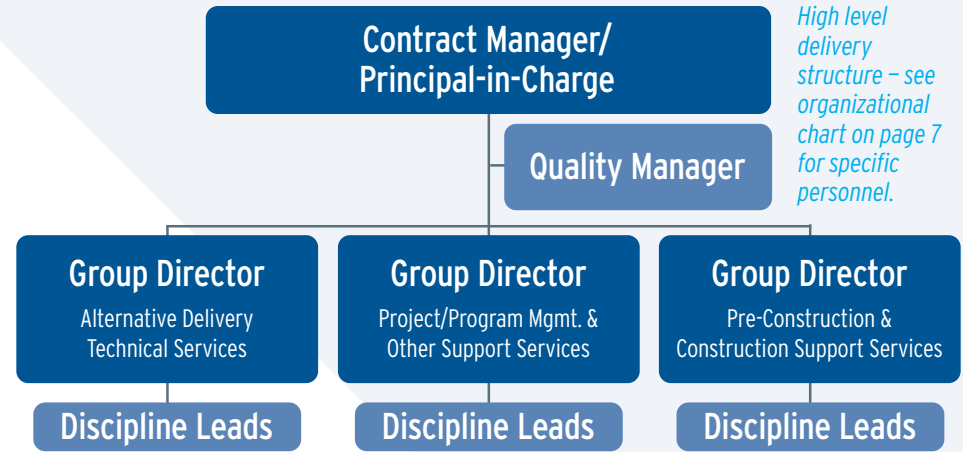
WHAT IS A CRITICAL PROJECT?

- Requires a unique funding source or multiple funding sources
- Requires Alternative Delivery (DB, PDB, P3, CMAR)
- Large scale project (> \$100M)
- Large public impact (along major corridors)
- Economically critical to the State
- Urgent or emergency situation
- Multi-faceted, multi-discipline
- Complex and technically challenging

TASK ORDER MANAGEMENT

HNTB recognizes the importance of building the best team for each task order that is issued through the Critical Projects IDIQ. It is imperative that individuals with the appropriate skill sets be brought in during the task order development process to define the scope accurately and efficiently. Contract Manager/Principal-In-Charge Dusty Bastion, PE will work with the LADOTD project manager at the initiation of each task order to identify the correct task order manager. Dusty, with 17 years of experience working with the LADOTD brings a wealth of conventional design, innovative procurement, management, and advisory knowledge to communicate needs of the tasks with subject matter experts (SMEs) within HNTB and our subconsultant team members.

HNTB anticipates that most task orders administered in the Critical Projects IDIQ will fall under three main "Groups" – **Alternative Delivery Technical Services, Project/Program Management & Other Support Services,** and **Pre-Construction & Construction Support Services,** and have organized our approach and methodology to match. We have assigned a specific "group director" for each group who will act as the project manager for each individual task order that fits within the "disciplines" of each group. Likewise, each discipline has a "discipline lead" who will act as a task manager for that discipline within each assigned task order.



The HNTB team group director and contract manager will work with the LADOTD project manager to develop the scope, build a team for the task order, and deliver the task order as outlined in the scope. Dusty will continue to be involved throughout the life of the project, ensuring successful delivery and LADOTD satisfaction.

Project/Task Order Development

Initial Contact – The LADOTD project manager reaches out to the HNTB contract manager to alert them of a new project or task order request. They discuss the potential scope, the needs of project, the potential challenges that could arise, and the types of services that could be needed.

Task Identification/Project Manager Identification – The HNTB contract manager 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 three main group directors that most aligns with the anticipated scope of services. The group director will engage the most suited SMEs 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 on the LADOTD side to finalize the details of the scope. We will work together to develop a detailed work plan 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. On urgent and time sensitive projects, an Advanced Notice to Proceed (NTP) may be issued to allow the HNTB team to begin work. Otherwise, a traditional issuance of a task order will be utilized.

Project Delivery

Notice to Proceed/Project Kickoff – Following the issuance of the NTP, HNTB will begin the work to deliver the project. A project kickoff meeting will occur to discuss the schedule and tasks with the project team.

Project Delivery – All deliverables will follow the schedule set during the project/task order development stage. Project meetings will be held to work through challenges and discuss LADOTD reviews and comments. As many critical projects require stakeholder involvement, we will work to identify stakeholders, conduct meetings to inform them of the project, and take their comments and concerns into consideration for further development.

Quality Control/Quality Assurance – Quality work is the backbone of the HNTB team. A stringent quality plan will be followed by all team members. Regular quality control will occur during all phases of production and in tandem with the production of the work. Quality assurance will be performed during the preparation of submittals to ensure that the quality process has been upheld through each step.

Project Letting & Construction Support Services – If required, following submission of final deliverables required in the task order, the HNTB team will provide responses to bidder inquiries and update contract documents as needed through the letting process. Additionally, if needed, the team will provide construction related engineering support services to support project construction activities.

ALTERNATIVE DELIVERY TECHNICAL SERVICES

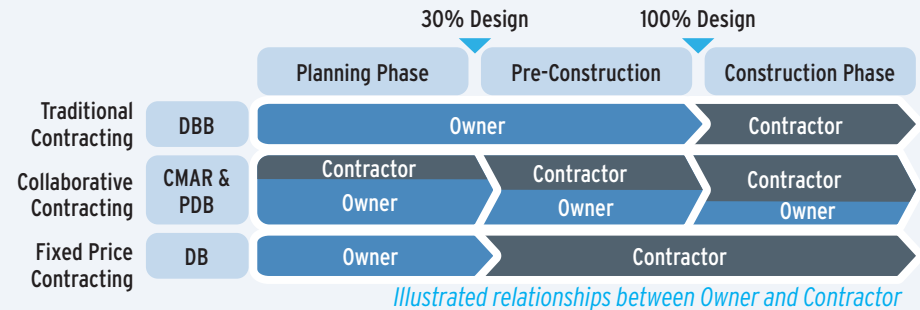
GROUP DIRECTOR: DUSTY BASTION, PE

SCOPE ITEM **1** **ALTERNATIVE DELIVERY TECHNICAL SERVICES**
David Boss, PE

When the need arises for delivery of key infrastructure projects on an accelerated schedule, deviating from conventional design-bid-build (DBB) delivery and leveraging alternative delivery concepts can be a great tool. With in-depth knowledge of DB, PDB, CMAR, and P3, HNTB has provided innovative expertise tailored to meet LADOTD's expectations, project constraints, project contracting and finance requirements, and project goals for the past 10+ years.

One of the keys in the differing alternative delivery concepts is the timing of the contractor's engagement in the project. Based on project specifics such as funding, schedule and level of project development, HNTB will support the LADOTD in selecting the alternative delivery method which best suits each project. The graphic below illustrates the timing differences between the owner and the contractor's involvement. For conventional DBB, the contractor is not involved until the beginning of

construction, whereas for DB, the contractor is involved during project design. For CMARs and PDBs, you can see the contractor's involvement progressively increases as the project develops. HNTB has developed a project screening tool which can be customized specific to LADOTD preferences to allow for identification of best options based on project specific criteria.



In order to provide valuable alternative delivery advisement services, full-scale comprehension and understanding of the strengths and challenges of each delivery method is vital. For example, DB project delivery offers the quickest schedule, but the owner loses the ability control project costs. Conversely, PDB or CMAR offer some schedule benefits when compared to DBB, but the owner maintains more control over project cost through the collaborative cost estimate review activities which occur after major deliverables. For P3s, the owner might be responsible for a smaller part of the project's funding, but also loses some control over the project once it is awarded to a Developer. The HNTB team has proven to be a trusted leader in pre-procurement, procurement, and administration/advisory services through previous projects with LADOTD. On prior contracts with LADOTD, HNTB has provided valuable support in the development of project Notice of Intent (NOI), Request for Qualifications (RFQ), and Requests for Proposals (RFP) having collaboratively written numerous performance specifications for DB projects and technical provisions for P3s.

HNTB Projects with Alternative delivery Technical Services for LADOTD

- » Jimmie Davis Bridge Replacement | DB
- » I-12 High Occupancy Vehicle Lanes | P3
- » I-10 Loyola Interchange | DB
- » Belle Chasse Bridge & Tunnel | P3
- » I-10/I-12 College Dr Flyover | DB

Dusty will lead the HNTB alternative delivery technical services teams, bringing experience serving as lead advisor on several alternative delivery projects with LADOTD. He will follow the process discussed below and illustrated on the next page to deliver alternative delivery projects.

Upon initial engagement from LADOTD, the HNTB team will bring LADOTD, our alternative delivery national experts and local staff together to understand LADOTD's goals and project requirements. Once the initial meetings take place, HNTB will support LADOTD staff to arrive at the best alternative delivery method for the specific project.

Once the project delivery method is determined, the NOI will be developed and published. Once interested parties submit their letter of interest, preparation of the RFQ and draft RFP development will begin. HNTB will work alongside LADOTD staff to develop key RFQ items such as the project description, project maps, requirements for the Proposer's organization, and Proposer's key

staff. During evaluation of the submitted RFQs, HNTB will serve in an advisory role to ensure the LADOTD’s evaluation team is knowledgeable of the requirements of the RFQ and the project. During RFP development, HNTB staff will work with the LADOTD procurement team as well as designated discipline-specific SMEs to clearly define all RFP requirements. Performance specifications and/or technical provisions will be created by HNTB and vetted with each LADOTD SME before being compiled into a comprehensive document for publishing. DB Performance Specification (PS) sections could include requirements for bike/ped facilities, drainage, environmental, geotechnical, ITS, lighting, maintenance during construction, maintenance of traffic, pavement structure, permanent traffic control, project/field office, public information, ROW acquisition, roadway/traffic operations, sound barriers, structures, and utilities. For P3 projects, the list in the Technical Provision (TP) section is similar to the list above, except that additional sections focused on tolling and O&M which could be included. Whether it be a PS or TP document, continuous updates and refinements will be made via comments provided by LADOTD; written questions proposed by the shortlisted Proposers; and clarifications after confidential one-on-one meetings between the Proposers and the LADOTD, which we are capable of participating in, if requested. Our role will be to support and advise LADOTD staff during these discussions which help the Proposers understand the project’s requirements. To ensure the best Proposer is selected for each specific project, we will assist LADOTD in developing an RFP scoring criterion which accommodates the best balance between technical capabilities and overall project cost. Once a Proposer is selected, HNTB’s pre-procurement and procurement services will be completed, at which time, the task order will be closed out.



PROJECT/PROGRAM MANAGEMENT & OTHER SUPPORT SERVICES

GROUP DIRECTOR: **Gay Knipper**

SCOPE ITEM 2 **Project Management & Support**
Benjamin Goodner, PE

HNTB offers a wide range of management and support services which can support LADOTD staff in delivering the state’s most critical projects. Utilizing the Louisiana Project Delivery Manual as a guide, the HNTB team is poised to assist LADOTD in fulfilling project management services as requested. We understand the internal project management processes at LADOTD and can provide support to the project and ensure projects meet required milestones in a timely fashion.

By assisting with the scheduling of project meetings, we can aid LADOTD by ensuring the necessary LADOTD departments, districts, and affected stakeholders are represented at project meetings. HNTB’s local team also stands ready to attend specific project meetings, at the request of LADOTD, to provide expertise/insight and ensure projects are advancing towards required milestones.

With the vast and growing amount of infrastructure projects requiring oversight by LADOTD, the number of available staff at LADOTD is essential in delivering the projects. Internal communication between different groups and sections within LADOTD is vital in ensuring a project continues at the required pace and meets project deadlines. The HNTB staff, located roughly 1 mile from LADOTD headquarters, understands the internal project management processes at LADOTD and can provide in-person assistance by augmenting the LADOTD staff. Working alongside LADOTD project managers, we can support them in delivering responsibilities and ensure projects meet required milestones, on schedule and on budget. In addition to providing augmented staff, we will provide any services directed and developed alongside the LADOTD project manager.

The HNTB team can work with LADOTD project managers to help deliver multi-disciplined projects on an individual project level or on a more programmatic level. By leveraging the LADOTD’s Project Delivery Manual, we can continue to drive project delivery forward while allowing LADOTD staff to focus on the projects they deem most critical. The HNTB staff will work collaboratively with LADOTD personnel to best understand our preferred area of focus and then consistently touch base with your staff to ensure your expectations are met.

We can support LADOTD staff when working through some of the more difficult areas of project delivery such as developing project management plans (PMP) and initial financial plans (IFP), and assessing project risks and participating in value engineering activities. The HNTB team has already participated in or led these activities in the past on other LADOTD projects like LA 1 Phase 2 and I-10 Calcasieu.

When requested, the HNTB team will develop PMPs and initial financial plans (IFP). Vital for securing federal funding on certain projects, the HNTB team understands the significance of a meticulously defined PMP and IFP. The PMP is essential for effective management of a project by providing information regarding the scope, cost, schedule, quality, risks of the project. The HNTB team will develop the PMP to clearly identify key personnel on a project, all stakeholders involved, anticipated schedule, scope of all services required, and a clear management implementation plan, HNTB understands FHWA PMP requirements and understand the FHWA approval process, having gained FHWA approval on previous projects. The HNTB team will update the PMPs as necessary to reflect any changes in the project scope, as well as newly identified risks and how the risks will be mitigated or eliminated. HNTB understands that the IFP accompanies the PMP at the start of a project. HNTB will develop IFPs by outlining key financial information and providing a detailed estimate of the cost to complete the project. The IFP will include any necessary phasing plan that outlines incremental funding and funding resources and account for any major cost escalations throughout the life of the project. HNTB understands that developing a clearly defined IFP ensures required funding and funding resources are secured for a given project.

Similar to the support HNTB provided in helping develop a Cooperative Endeavor Agreement between LADOTD and the Louisiana Department of Culture, Recreation and Tourism Office of State Parks (CRT) on the Jimmie Davis Bridge DB Project, we are willing to participate in various stakeholder meetings and support the LADOTD in drafting various project agreements. Our approach will focus on open communication with LADOTD and other stakeholders to facilitate negotiations and draft agreements which reflect the mutual acceptance of terms of all parties.

For anticipated construction costs over \$50M or as requested, the HNTB team will assemble a highly talented team of experts tailored to the specific project type in order to provide value engineering expertise. The HNTB team is adept at identifying areas where cost effective construction solutions

can be utilized to reduce project construction costs. When assisting with cost risk schedule assessments, HNTB will again assemble a team of experts tailored to construction schedule risks and costs to identify key drivers to the cost and schedule contingency of the identified project. The assembled team will provide guidance on techniques that can lower the overall construction schedule risk and associated construction cost.

We understand that funding is essential for any project, and Federal grants are key to generating the funding needed to enhance Louisiana's infrastructure. With expertise in technical writing and demonstrating project benefits relative to costs, HNTB's grant team is a trusted resource for LADOTD. By authoring and submitting the INFRA Grant application, HNTB was instrumental in ultimately securing \$135M in federal funding needed to make the LA 1 Phase 2 Improvement Project viable. In the past two years, HNTB has secured over \$418M in federal funding for various infrastructure projects throughout the State, demonstrating our ability to obtain funding for LADOTD's most critical projects. We will continue to offer this high level of expertise and technical writing for all of LADOTD's grant needs.

SCOPE ITEM

3

Quality Control Reviews & Peer Reviews

Jeff Burst, PE

Peer reviews are typically performed on complex projects and provide another layer of support to protect the integrity of the project submittals and/or reports. Based on our experience outlined in the other design services, we can perform independent peer reviews of designs and calculations and perform engineering reviews for plans and special provisions.

The quality control manager will procure the proper review team with SMEs needed from their respective disciplines based on each specific project. The peer reviewers will be licensed professional engineers with substantial experience in the design of similar projects.

In quality control reviews, the design checker will verify the accuracy of the designer's calculations, pay items, quantities, special provisions including non-standard items, and cost estimate. The detail checker will ensure the drawings are in accordance with the design information and CAD standards. All dimensions and quantity calculations will be verified.

Following the same procedure we have previously executed on the I-10 Loyola Interchange, 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.

SCOPE ITEM

13

Other Services (Tolling Support Services)

Michael Scott Cooper, PE

Since 2014, HNTB has provided statewide tolling support services for the LADOTD including tolling project management, toll system support services, toll facility inspections, P3 toll procurement support, toll corridor feasibility and toll implementation/installation. HNTB's current projects include the LA 1 Phase 1 Toll Facility; the LA 1 Phase 2 Toll Design; Belle Chasse P3 Toll Implementation; I-12

Managed Lanes Toll Feasibility; and I-10 Calcasieu Toll Procurement Support. Led by Scott Cooper, PE, the HNTB team stands ready to support the LADOTD on any assignment requiring tolls. Our team holds close relationships with the LADOTD's Tolling Section and we act as extension of their staff on all active assignments. For the Belle Chasse and I-10 Calcasieu P3 procurements, HNTB worked closely with LADOTD staff to develop the tolling technical provisions for both. The HNTB team is currently supporting the LADOTD as the Belle Chasse and new LA 1 Phase 1 (included in Belle Chasse P3) toll facilities are designed, implemented and tested. Once these systems go live, HNTB will support the LADOTD to ensure they perform as per their contract requirements. The team has supported LADOTD in analyzing toll feasible corridors across the state including performing toll feasibility analysis including toll modeling, toll O&M analysis and toll & revenue analysis. In addition to specific toll services work, we have provided expertise and advisement on the I-12 HOV/Managed Lanes and the I-10 Atchafalaya Basin Safety Camera projects, where toll-related technology is integrated into the project to relieve congestion and increase safety of the traveling public.

SCOPE ITEM

13

Other Services (Advisory Services)

Edwin Crooks, PE

One of the unique services that HNTB provides is Advisory Services, which offers LADOTD better insight and understanding in how complex and constantly changing federal policy impacts the Department around funding and financing strategy. How a state agency interprets federal policy could impact financing programs used (TIFIA vs. private activity bonds) or how projects are structured to maximize utilization of funding. If requested, the HNTB Advisory Services Group can support the LADOTD executive leadership in further understanding current federal policy, provide advice and guidance on leveraging all available funding streams, and provide quick and accurate advice should any federal policies change.

PRE-CONSTRUCTION & CONSTRUCTION SUPPORT

SERVICES GROUP DIRECTOR: Josh Porter, PE

SCOPE ITEM

4

Environmental & Permitting Services

Lynn Maloney-Mujica, AICP

As evidenced by our recently completed I-10 Calcasieu EIS project, the HNTB team has the ability and experience to provide environmental services necessary to obtain project environmental approvals, reevaluations, and permits; and to support mitigation compliance, including perform material sampling and testing to support permit development.

We will provide services in support of NEPA and related laws and regulations according to Title 23 Chapter 1, 40 CFR 1500-1508, the LADOTD 2022 Stage 1 Manual of Standard Practice, and LADOTD Traffic Noise Policy 2019. Permit applications and/or associated supporting documentation such as Louisiana Coastal Use Permits, Section 404 wetlands and other waters, Section 10 obstructions to navigation, Section 9 bridge permits, and Section 408 modifications to Federal projects will be developed by our environmental and permitting team.

We will also provide services in support of mitigation compliance including monitoring of environmental commitments established during Stage 1 through design, construction and operation of the project.

Community outreach and coordination will be performed alongside LADOTD and interested stakeholders as needed to properly administer the project and make a positive impact on the project's affected communities.

Should material sampling and testing be required, our team offers experienced Registered Environmental Professionals (REP) who perform various testing services including air monitoring, groundwater testing, soil testing, and bridge coatings testing. Should additional services be required which are outside of the Team's capabilities, we can add additional team members on an as-needed basis or include this testing as a vendor-based direct expense.

SCOPE ITEM

5

Traffic Engineering & Design Services

Brin Ferlito, PE, PTOE

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 Manual of Uniform Traffic Control Devices (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. On a more microscopic level, HCS, Synchro and Sidra can be utilized to analyze intersection alternatives. Reports will be generated in accordance with the LADOTD Traffic Engineering Process and Report course, and the study formatted to the Department's standards.

Traffic Management Plans will be developed in accordance with EDSM VI.1.1.8. We will coordinate with LADOTD to collect traffic volume and safety data for traffic study to perform safety analysis and alternative route analysis. If historic data is not available, we will follow the Traffic Study Scope of Services as outlined on the LADOTD traffic engineering website. We will closely follow the Traffic Engineering Process and Report outlined by LADOTD, which defines the requirements and expectations for all parties throughout the Traffic Engineering Study Process to arrive upon the optimum detour route. Along with specifying the correct TTC Details, we will coordinate with the bridge/road designers on a Work Zone Impact Management Strategy document to minimize risk and delays to the travel public.

Access Justification Reports, either through an Interchange Justification Report or an Interchange Modification Report, will be developed using the approach and methodology needed to secure FHWA approval outlined by the National Highway Institute course "NEPA and the Transportation Decision Making Process."

SCOPE ITEM

6

Surveying Services

Bradley Scott Holleman, PE, PLS

The HNTB team can provide 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.

The property survey is the first phase of a right-of-way map. The team will begin this phase by performing a Title Takeoff should a Title Research Report not be complete at the commencement of the survey. The Title Takeoff will be compiled and submitted in the Property Survey Phase deliverable.

Once the location of the existing right-of-way and property lines are set by the professional land surveyor, the Property Survey Plat will be drafted according to the procedures, style and QA/QC checklist set forth in the LADOTD's Addendum "A" to the Location and Survey Manual Property Surveys and Right-of-Way Maps.

The commencement of the base right-of-way map is triggered by the completion of the 60% preliminary construction set by the design engineer. A 60% base right-of-way map will then be drafted according to the procedures, style and QA/QC checklist set forth in LADOTD's Addendum "A". After submission of the 60% base right-of-way map, a Joint Plan Review meeting will be held. The team will then begin the "final check print set" of the right-of-way map after 60% base right-of-way map comments and the updated construction set is provided. The HNTB team will create a final parcel input file utilizing the code sequencing established by LADOTD program CogoWin. The parcel input file will be reviewed to ensure the generated metes and bounds descriptions, used by the Real Estate section to acquire the parcels, are in full agreement with the right-of-way map down to the hundredth of foot in distance and to the second in bearing.

SCOPE ITEM

7

Subsurface Utility Engineering & Utility Relocation

TJ Beau Stokes, PLS

The SUE task lead will review all field information with the SUE crew at the start of the project. A Louisiana One Call ticket will be placed for the project limits to determine the initial list of utility companies. Once all known utilities are determined, a request for record drawings/as-builts will be placed to obtain as much information as possible to provide to the field crew. This information will also be used for ASCE 38-22 Quality Level D and C as well as QA/QC purposes. All designating (ASCE 38-22 Quality Level B) field work will utilize industry standard geophysical methods to detect underground utilities. When vacuum excavation locating (ASCE 38-22 Quality Level A) is required, the HNTB team will coordinate with the LADOTD task manager to ensure the excavation occurs on the correct utility at the requested location. All data received from the field for both SUE and survey will be processed using LADOTD CAD standards through MicroStation and InRoads. After the data QA/QC process, linework has been cleaned, attributes added, surfaces are made, and when all data is found to conform to Survey Manual and the deliverables have been made to CADconform, the final DGN, Hard Copy SUE Deliverables (signed and sealed by a licensed Louisiana engineer, Survey Reports, Field Notes, and supporting documents will be reviewed by the group director for delivery.

Once a preliminary design and utility locations have been determined, the HNTB team will work with LADOTD and utility owners to determine conflict points between planned construction and existing or planned utility facilities. The team will prepare the necessary conflict matrix and conflict plans necessary to coordinate with utilities to determine conflict descriptions, costs, and relocation alternatives.

Then, the team will host necessary meetings between LADOTD, the effected utility companies, and other project stakeholders as requested by the LADOTD task manager, and assist the utility companies in the design and preparation of their plans including the submittal of relocation agreements. Once design has been completed, the HNTB team can monitor the relocation of all utilities to ensure compliance with plans and prepare as-built utility documentation for the roadway construction phase as well as be available for all plan in hands and construction meetings.

SCOPE ITEM 8 **Geotechnical Engineering Services**
Brian Alan Powell, PE

The HNTB team has the capability to provide geotechnical services necessary to perform geotechnical investigations, analysis and design. Geotechnical field investigations (deep and shallow borings, CPTs, etc.) will be performed in accordance with ASTM standards, LADOTD Driven Pile Design & Verification Using LRFD, AASHTO LRFD Bridge Design Specifications, and FHWA-IF-02-034 GEC 5.

After field investigations, geotechnical laboratory testing and analysis will be performed in accordance with ASTM standards, LADOTD Driven Pile Design & Verification Using LRFD, 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 services (e.g., field construction monitoring and analysis) will be provided for specific projects in conjunction with our construction support team.

SCOPE ITEM 9 **Roadway Design & Hydraulic Eng. Services**
Dishili Shawon Young, PE, PTOE

While the topographic survey is being completed, we will complete a review of the existing data (if available) such as as-built plans, existing studies, prior design plans, shop drawings and structure maintenance records. We will review the existing geometry, traffic data, utility data and any other available data to transition the design to the preliminary design phase. Roadway engineering design will be completed in accordance with the latest requirements of the LADOTD Roadway Design Procedures and Details, the LADOTD Engineering Directives and Standards (EDSMs), the AASHTO Policy on Geometric Design of Highways and Streets, and AASHTO Roadside Design Guidelines. We will provide plans created utilizing CADConform and 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. Preliminary Plans will be completed at 30%, 60%, 95%, and 100% intervals; with a plan-in-hand meeting occurring at 95% preliminary.

Once an environmental decision is received and a notice-to-proceed with final plans has been issued we will begin preparing the 60%, 95%, 98%, and 100% Final Plans. If preferred, a more compressed schedule can be created to match the needs of the project.

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 will be submitted to LADOTD for review as well as a Final Hydraulic Analysis Report.

The proposed structure will be analyzed in accordance with LADOTD Hydraulics Manual, BDEM, and LADOTD Hydraulic Design Guidelines Off-System Bridge Program, if applicable.

Design criteria will be developed for each site and submitted for LADOTD's review and approval. The design criteria may change throughout the project, so it will be imperative to keep a current list of the criteria maintained at all times. The design criteria will be structured in accordance with Appendix A - Design Criteria Checklist of the LADOTD BDEM.

SCOPE ITEM 10 **Bridge Design Services**
Josh Porter, PE

For projects requiring evaluation of existing structures for future capacity demands, utilizing Chapter 6 of the Louisiana BDEM as a guide, the HNTB team will collect and evaluate all existing material, perform an exhaustive in-depth field inspection, and execute load rating analysis to evaluate the overall health and serviceability of existing structures. The HNTB team will carefully consider all these factors and provide a bridge evaluation report outlining its findings and provide clear and concise recommendations.

For new bridges, the team will perform structural design in accordance with the AASHTO LRFD Bridge Design Specifications, BDEM, and applicable Bridge Design Technical Memorandum.

All as-designed, as-built, and condition bridge ratings will be performed using AASHTOWare Bridge Rating (BrR) for superstructures and LEAP Concrete, Staad, and Excel for substructure ratings.

We will use Appendix K - Consultant Submittal Checklist to submit both preliminary and final bridge plans. 60%, 90%, and 100% preliminary plans will be submitted to LADOTD followed by 60%, 95%, and 100% final plans.

Due to the nature of Critical Projects and limitations on time, our team will compress the deliverables schedule to match the needs of the projects. Because of our long history working with the department on such projects, we have experience delivering plans directly to the 95% final submittal stage and to LADOTD's standards.

SCOPE ITEM
11

Plan Development & Letting Support Services

Josh Porter, PE

Plan development and letting support will be conducted by the specific team generated for a design and plan production task order. This team, managed by Josh, will have the design history to properly create plans in accordance with LADOTD Road Design Manual, BDEM, and software and deliverable standards for electronic plans.

During plan development, the assembled project team and group director will be available to schedule, conduct and/or participate in plan review meetings. Plan-in-hand meetings typically are performed after the submission of 95% preliminary plans. Joint plan review meetings typically are performed after the submission of base right-of-way maps and reviews of 100% preliminary plans are completed. Final plan review meetings typically are between submission of 95% and 98% final plans and cost estimate.

The HNTB team is also familiar with the LADOTD bid process and will respond to bidder inquiries and update contract documents as needed.

Due to the nature of an IDIQ contract, the HNTB team anticipates task order assignments will vary in scope and schedule. We offer an extremely diverse range of capabilities and the ability to execute multiple task order assignments concurrently. With a strategically assembled team, HNTB is poised

to offer LADOTD a deep bench of individuals within each significant minimum personnel requirement ready to execute task orders upon NTP.

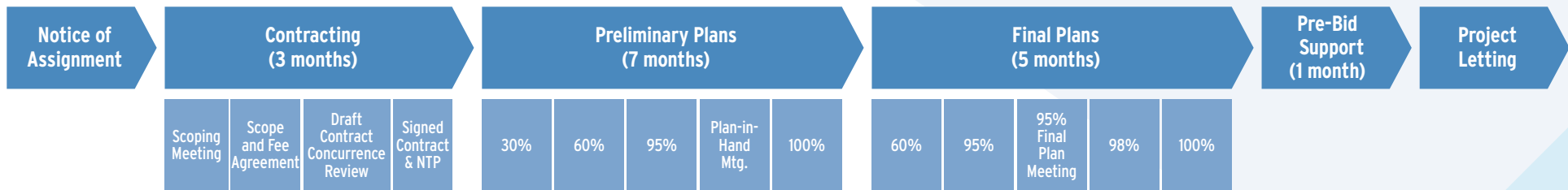
HNTB is ready to continue serving LADOTD, bringing:

- » Our ability to complete projects on urgent and accelerated timeframes.
- » Our knowledge of accelerated bridge construction (ABC) techniques.
- » Our ability to serve as a full-service lifecycle consultant.

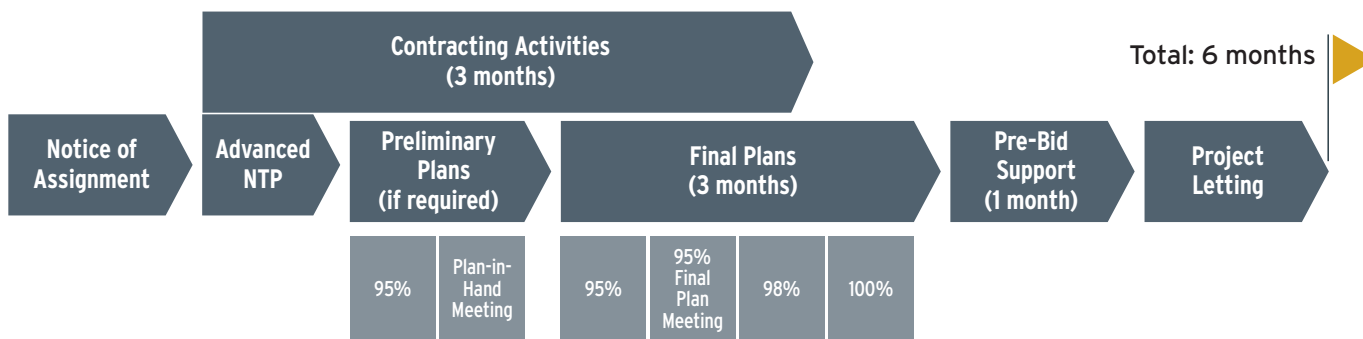
Upon notification of an assignment, we will quickly schedule a scoping meeting with LADOTD to kick off and discuss a generalized scope with an understanding of project urgency and schedule. If immediate action is required, the team will be prepared to start work immediately upon receipt of an advanced NTP. Based on knowledge of LADOTD processes and procedures, HNTB routinely jumps straight to 95% final plans without having to stop for review periods.

We will not only provide the ability to deliver projects in expedited fashion, but will also incorporate accelerated construction techniques, when necessary, to shorten construction time and the need for prolonged traffic control. HNTB is a national leader in accelerated construction techniques and leverages national resources to develop plan sets that address and mitigate issues that commonly arise during construction.

Traditional Project Schedule



Critical/Urgent Project Schedule



PAST PROJECTS UTILIZING CRITICAL/URGENT SCHEDULE

Straight to 95% Final Plans

- I-12: LA 1032 Overpass Girder Repair (Girder Replacement)
- LA 3250: I-49/UP RR Overpass Repair (Girder Replacement)
- I-10: EB Vets Blvd Bridge (Fire Repair) (Partial Slab Span Replacement)
- LA 3213: Gramercy Bridge Painting & Rehabilitation
- LA 327-S: Bayou Fountain Bridge Replacement
- I-12: Airline Highway Overpass Repair (Bridge Rehabilitation)
- I-10: Calcasieu River Bridge ~ I-10 Ramp Piperack Bridge (New Bridge)

Straight to 95% Preliminary Plans, then straight to 95% Final Plans

- I-10: Calcasieu River Bridge ~ Railroad Realignment (Bridge Modifications)
- LA 47: Bayou Bienvenue Bridge Replacement

PAST PROJECTS UTILIZING ACCELERATED BRIDGE CONSTRUCTION TECHNIQUES

Precast Span Segments with Closure Pour

- I-10: Calcasieu River Bridge ~ I-10 Ramp Piperack Bridge (New Bridge)
- I-10: EB Vets Blvd Bridge (Fire Repair) (Partial Slab Span Replacement)

Precast span segment moved into place using SPMT

- LA 3250: I-49/UP RR Overpass Repair (Girder Replacement)
- I-20: US 80 Overpass Bridge Replacement

Precast backwall segments moved into place during weekend closures

- I-20: Overpasses Rehabilitation (Bossier City)

SCOPE ITEM
12

Pre-Bid & Construction Support

Josh Porter, PE

The HNTB team has the capabilities to provide construction related 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.

When supporting Alternative Delivery projects, as Non-Conformance Reports (NCR) are received from the LADOTD or their Owner Verification representative, the appropriate disciplines will be identified to review and provide recommended NCR corrective actions to the LADOTD Project Manager and other associated entities, as appropriate. Each NCR review will be performed to assess conformance to the contract documents, as well as all applicable Standards and References. Should an NCR trigger the need for modifications to the contract documents the HNTB team will identify affected sections of the contract and propose edits to realign the contract with the agreed-upon NCR resolution.

SCOPE ITEM
13

Other Services

(ITS Design & Support Services) Rakesh Sharma, PE, PTOE, PMP, CVP
(Roadway & Aesthetic Lighting Design) Paul Hunter, PE

The HNTB team can provide ITS design and support services on a task order basis, or a more programmatic basis, in line with the objectives outlined by the LADOTD project steering committee to improve the operations of the State's transportation systems as well as facilitate Louisiana's unique needs for hurricane related emergency evacuation.

Members of our team have provided ITS and roadway lighting design services on a multitude of projects over the past year. Specifically, HNTB's LA 1 Phase 2 bridge project included an ITS system consisting of CCTV cameras and DMS signs as well as two highway lighting systems. For ITS systems, we will begin work with development of a Systems Engineering Analysis Report. Once submitted, we will work with LADOTD, FHWA and other stakeholders until all comments are resolved. At this point, we will proceed with ITS design and plan development with preliminary and final deliverables which meet the needs of the ITS as well as other affected sections like bridge, geotechnical and electrical.

For roadway and/or aesthetic lighting systems, we will start with development of a photometrics report to determine preliminary layouts of lighting elements. Following acceptance of photometrics, plan development and electrical design will be completed in accordance with LADOTD's Highway Lighting Systems Guide; applicable NEMA electrical design standards; the LADOTD Highway Lighting Systems Guide to Constructing; Operating and Maintaining Highway Lighting Systems; and the American Association of State Highway and Transportation Officials Roadway Lighting Design Guide.

CONCLUSION: The HNTB team is committed to continue supporting the LADOTD. We promise to be your collaborative, trusted partner in all things we do, and will always keep LADOTD's best interests in mind.



Section 19

Workload

19. Workload					
Firm	Past Performance Evaluation Discipline(s)	State project number	Project name	Remaining unpaid balance	
HNTB Corporation	Bridge	State Contract No. 44-17329	IDIQ Contract for Innovative Procurement Support Services		
		H.003931.5	Calcasieu River Bridge (Sampson St)	\$5,769	
	Bridge	State Contract No. 44-17264	Retainer Contract for Bridge Preservation		
		H.001166.6	Caddo Lake CRES	\$83,792	
		H.002337.5	LA 327-5 Bayou Fountain	\$2,913	
		H.010251.5	Chippewa Street Pump Station	\$147,432	
		H.012842.5	LA 124 Extension	\$26,777	
		H.014591.5	I-12: US 61 Bridges Girder Repairs	\$12,703	
		H.012622.5	I-12 Livingston Par Approach Slap Repair	\$256,770	
		H.012066.5	LA3213, Gramercy Bridge Paint	\$3,581	
	Bridge	State Contract No. 44-24189	Statewide Bridge Preservation		
			Task Order 1: H.010319 I-110 North Street to Plank Road		\$12,179
			Task Order 2: H.12899.6 I-20 Rehab CRES		\$110,587
			Task Order 3: H.015935 LA 47 Emergency Bridge Replacement		\$174,473
	Transportation	State Contract No. 44-23812	Statewide Weigh Station Assessment, Rehab and Plan Development		
			Task Order 2: H.015377.1		\$3,010,895
	Other (Tolling)	State Contract No. 44-23640	IDIQ Contract for Tolling Support		
			Task Order No. 2: PIBC Integration		\$93,005
			Task Order No. 3: LA 1 Facility Implementation		\$563,240
			Task Order No. 6: Toll Services		\$2,316,863
Task Order No. 7: I-10 Atchafalaya Basin SEA			\$89,317		

19. Workload					
Firm	Past Performance Evaluation Discipline(s)	State project number	Project name	Remaining unpaid balance	
HNTB Corporation Cont'd	Other (Planning)	State Contract No. 44-21094	Statewide Transportation Plan	\$1,196,811	
	Bridge	State Contract No. 44-25029	IIJA Off-System Bridge Program	\$1,150,654	
	Bridge	State Contract No. 44-23512	Statewide Complex Bridge Inspection		
			Task Order 3: BIM Updates and Load Rating		\$248,339
			Task Order 4: I-10 Calcasieu Bridge Inspection 23-24		\$424,653
			Task Order 5: Audubon Bridge Inspection		\$406,643
			Task Order 6: I-10 BR MS River Bridge Inspection		\$500,189
			Task Order 7: GNO 1 and 2 Bridge Inspection		\$884,731
		State Contract No. 44-4900	H.008145.6, LA 1 Phase 2		\$5,707,461
	Environmental	State Contract No. 44-26365	H.015223, BR to NO Passenger Rail Corridor Environmental Study		\$274,092
	Bridge	State Contract No. 44-21594	H.009859.5, Complex Bridge Rating		\$339,629
	CE&I/OV	State Contract No. 44-23074	H.010960, LA 30 Roundabout @ Tanger Mall		\$288,576
		State Contract No. 44-17006	H.001670.6 I-10/Loyola Interchange Improvements		\$125,837
		State Contract No. 44-28884	Calcasieu River Bridge OV Pre-Construction Services		\$405,582
Other (Railroad)	State Contract No. 44-27876	H.015223.1 Intercity Rail Program		\$4,677,105	

19. Workload				
Firm	Past Performance Evaluation Discipline(s)	State project number	Project name	Remaining unpaid balance
Ardaman & Associates, Inc.	Other (Tolling)	State Contract No. 44-23640		
			Task Order No. 2: PIBC Integration	\$93,005
			Task Order No. 3: LA1 Facility Implementation	\$563,240
			Task Order No. 6: Toll Services	\$2,316,863
			Task Order No. 7: I-10 Atch. Basin SEA	\$89,317
			Task Order No. 8: FY2024 Annual Trust Indenture Inspection	\$47,993
	Other (Planning)	State Contract No. 44-21094	Statewide Transportation Plan	\$1,196,811
	Bridge	State Contract No. 44-25029	IIJA Off-System Bridge Program	\$1,150,654
	Bridge	State Contract No. 44-23512	Statewide Complex Bridge Inspection	\$413,477
		44-6189, H.004647.6	I-20 Mississippi River Bridge at Vicksburg	\$61,969
			T03, BIM Updates and Load Rating	\$248,339
			T04, I-10 Calcasieu Bridge Inspection 23-24	\$424,653
			T0 5, Audubon Bridge Inspection	\$406,643
		T06, I-10 BR MS River Bridge Inspection	\$500,189	
Forte and Tablada, Inc.	Bridge	4400021594/H.009859.5	Task Order No. 1 - Load Rate Selected Statewide Bridges	\$179,331
	Bridge, Survey	4400021594/H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	\$52,359
	Bridge	4400021594/H.000303.6	Task Order No. 3 - Danziger Bridge Rehabilitation	\$5,932
	Bridge	4400021594/H.009730.5	Task Order No. 4 - In Depth Bridge Inspection T-1 Steel Weld Assessment	\$562
	Bridge	4400021594/H.015228.5	Task Order No. 5 - LA 70: Sunshine Bridge Emer Truss Repair	\$123
	Bridge	4400021594/H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	\$2,254,069
	Bridge	4400021594/H.009730.5	Task Order No. 7 - In-Depth Bridge Inspections	\$94,301
	Bridge	4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	\$180,180

19. Workload				
Firm	Past Performance Evaluation Discipline(s)	State project number	Project name	Remaining unpaid balance
Forte and Tablada, Inc. Cont'd	Bridge/Survey	4400024589/H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	\$75,443
	Bridge/Survey	4400013387/H.013137.5	OSBR Ouachita	\$23,249
	Bridge	4400025037/H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	\$3,487
	Road/Bridge	4400024641/H.005734.5	LA 447 Corridor	\$190,440
	CE&I/OV	4400023837/H.013090.6	Gretna Downtown Pedestrian Improvements	\$138,088
	CE&I/OV	4400023837/H.009290.6	LSU Laboratory School SRTS Project	\$65,293
	Survey	4400021532/H.013537.5	LA 93: Ditch Bridge	\$21,405
	Survey	4400021532/H.012059.5	LA 19: Bridges near Zachary	\$53,624
	Survey	4400021532/H.013195.5	LA 98 Curve Realignment	\$28,355
	Survey	4400021532/H.011670.6	I-10/Loyola Interchange Improvement	\$3,070
	Survey	4400021532/H.013537.5	LA 93: Ditch Bridge	\$21,405
	Survey	4400021974/H.002186.5	UP (Plaquemines)	\$90,304
	Survey	4400025029/H.015341	D61 (EBR) IIJA Off-System Bridge	\$83,332
	Survey	4400025029/H.015341	D61 (EBR) IIJA Off-System Bridge - SA 3	\$70,742
Survey	4400004128/H.004273.5	I-49 Connector	\$53,242	
KGC Environmental Services Inc.	CE&I/OV	44000027614/H.009461	LA 182: Berwick Bay Bridge Rehab (HBI) Route	\$ 805,000.

19. Workload				
Firm	Past Performance Evaluation Discipline(s)	State project number	Project name	Remaining unpaid balance
Neel-Schaffer, Inc.	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	\$55,425
	ITS	4400010428 EWL 3, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	\$805
	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	\$311,846
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	\$26,300
	ITS	4400016364, H.013256.6	I-10 ITS Scott to Lake Charles Technical Support Services During Construction	\$5,246
	ITS	4400016364, H.011504.5	Alexandria ITS Phase 2	\$16,139
	ITS	4400016364, H.015136.1	Northshore Regional ITS Architecture Update	\$4,632
	ITS	4400016364, H.014511.1	Houma Regional ITS Architecture Update	\$56,757
	ITS	4400016364, H.015136.1	Shreveport-Bossier Regional ITS Architecture Update	\$57,529
	ITS	4400016364, H.015136.1	Lake Charles Regional ITS Architecture Update	\$56,617
	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	\$81,584
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	\$13,195
	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	\$59,915
	Planning	4400018271, H.014746.1	LA 383 Corridor Study	\$94,106
	Planning	440023689, H.015148.5	District 03 Safety Investment Plan	\$94,758
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	\$117,349

19. Workload				
Firm	Past Performance Evaluation Discipline(s)	State project number	Project name	Remaining unpaid balance
Neel-Schaffer, Inc. Cont'd.	Planning	4400023689, H.015227.5	US 61 at Victoria Dr. Ped Crossing	\$48,663
	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	\$144,263
	Road	4400024927, H.015226.5	US 90: Roundabout at LA 101	\$172,791
	Road	4400024927, H.015226.5, TO #3	US 90: Roundabout at LA 101	\$37,185
	Traffic	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	\$408,730
	Traffic	4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	\$172,963

19. Workload				
Firm	Past Performance Evaluation Discipline(s)	State project number	Project name	Remaining unpaid balance
T. Baker Smith	Other - Subsurface Utility Engineering	H.014465.5	Task Order No. 3_LA 82 Vermilion River MB RH (Perry) (HBI)	\$41,562
Vectura Consulting Services, LLC	Traffic	4400017293 H.010616	I-20: LA 544 Overpass Replacement	74,429
	Traffic	4400017293 H.010616	I-20: LA 544 Overpass Replacement	74,429
	CE&I	4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	92,995
	Traffic	4400020018 H.007160	EBR Computerized Traffic Signal, Ph VB	33,910
	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	14,740
	Traffic	4400021519 H.012030.5	KCS RR Overpasses HBI	572
	ITS	4400023075 H.013522	S. Lewis Street Widening	7,499
	ITS	4400016364 H.015136.4	Northshore Regional ITS Architecture Update	11,421
	ITS	4400017922 H.012845.1	C/AV Team and Working Group Support	13,949
	Traffic	44000020058 H.011507.1	Monroe Phase 3 SEA	29,217
	Traffic	4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	22,388



Section 20

Certifications/Licenses

20. Certifications/Licenses

Todd Dustin Bastion, PE
MPR #1, 2



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Todd Dustin Bastion

License/Certificate Type - Number	Expiration Date
PE.0036719	03/31/2026
Status: Active	

Hans Reed Hutton, PE
MPR #3 & 11




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Mr. Hans Reed Hutton

License/Certificate Type - Number	Expiration Date
PE.0038204	03/31/2026
Status: Active	

Nick Joseph Ferlito, PE, PTOE
MPR #5



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Mr. Nick Joseph Ferlito Jr.

License/Certificate Type - Number	Expiration Date
PE.0028001	09/30/2025
Status: Active	

20. Certifications/Licenses


Sheelagh Brin Ferlito, PE, PTOE
MPR #5

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mrs. Sheelagh Brin Ferlito	
License/Certificate Type - Number	Expiration Date	
PE.0025383	09/30/2025	
Status: Active		

Ross Andrew Wilson, PLS
MPR #6, 7

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mr. Ross Andrew Wilson	
License/Certificate Type - Number	Expiration Date	
PLS.0005148	03/31/2026	
Status: Active		

20. Certifications/Licenses




LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Bradley Scott Holleman

License/Certificate Type - Number	Expiration Date
PE.0047165	03/31/2025
Status: Active	

Bradley Scott Holleman, PE, PLS
MPR #6, 7




LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Bradley Scott Holleman

License/Certificate Type - Number	Expiration Date
PLS.0005082	09/30/2024
Status: Active	

TJ Beau Stokes, PLS
MPR #8



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. TJ Beau Stokes


License/Certificate Type - Number	Expiration Date
PE.0040079	03/31/2026
Status: Active	

20. Certifications/Licenses

Brian L. Powell, PE
MPR #9

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mr. Brian L. Powell	
License/Certificate Type - Number	Expiration Date	
PE.0041551	09/30/2025	
Status: Active		

Megan G. Bourgeois, PE
MPR #9

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Ms. Megan G. Bourgeois	
License/Certificate Type - Number	Expiration Date	
PE.0036725	03/31/2026	
Status: Active		

20. Certifications/Licenses

Lesley Vance Short, PE, PTOE, RSP1
MPR #10



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Lesley Vance Short

License/Certificate Type - Number	Expiration Date
PE.0026026	03/31/2026
Status: Active	

Dishili Shawon Young, PE, PTOE
MPR #10



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Ms. Dishili Shawon Young

License/Certificate Type - Number	Expiration Date
PE.0033723	09/30/2024
Status: Active	

Steven Thomas Hague, PE
MPR #11



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Steven Thomas Hague

License/Certificate Type - Number	Expiration Date
PE.0028414	09/30/2025
Status: Active	

20. Certifications/Licenses

Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications



Patrick Roth
(HNTB Corporation)



Marc Hoffman
(HNTB Corporation)



20. Certifications/Licenses

Ryan Felder
(HNTB Corporation)



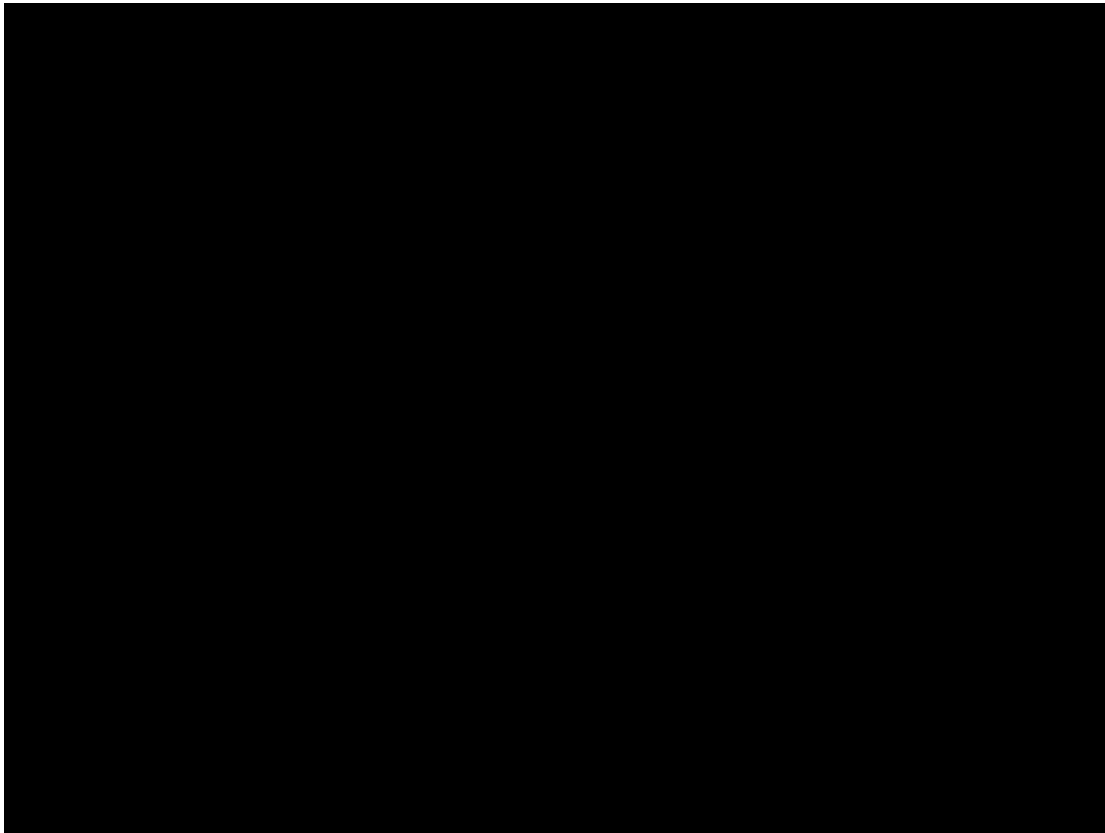
David Branch
(HNTB Corporation)



20. Certifications/Licenses

Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications

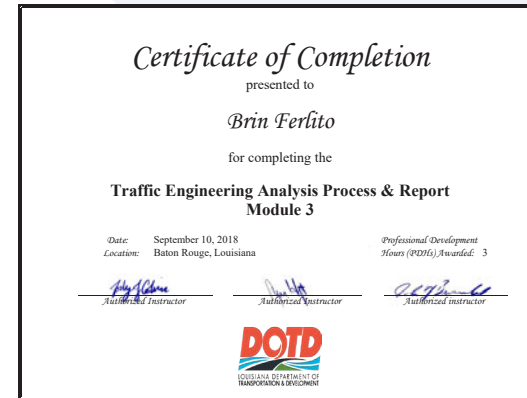
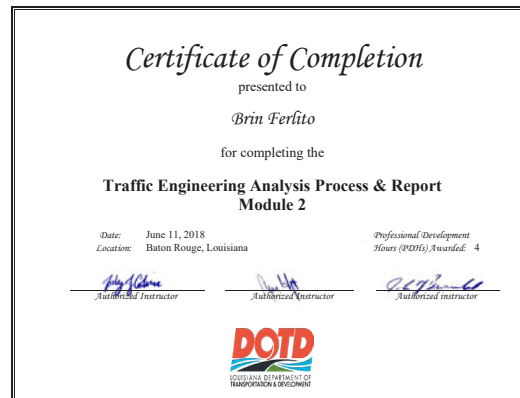
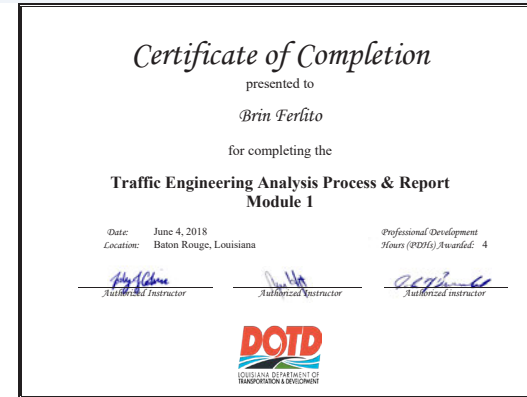
Randal Bonura
(HNTB Corporation))



20. Certifications/Licenses

Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications

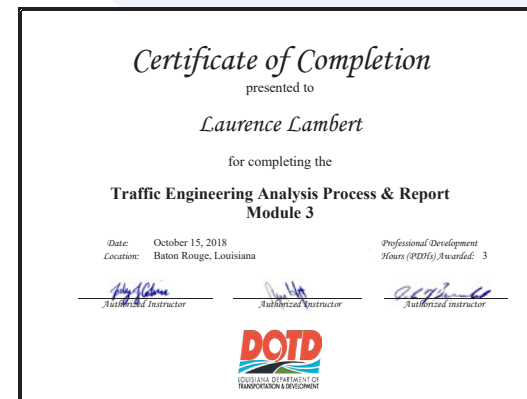
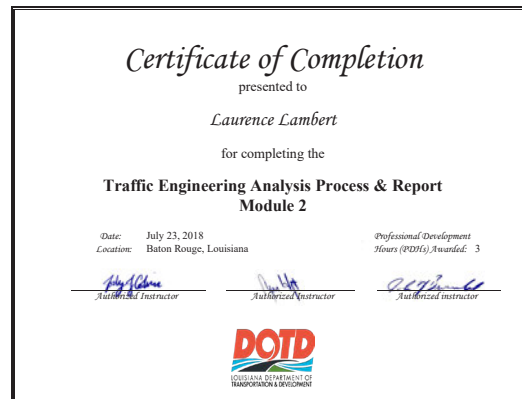
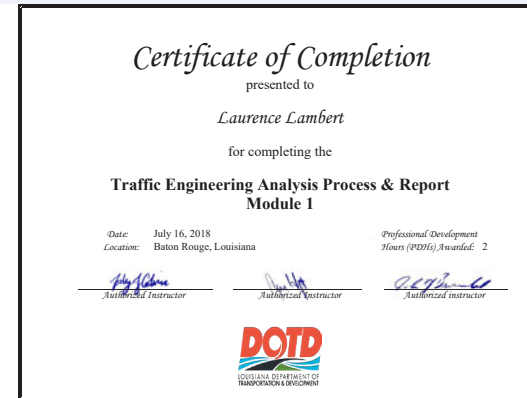
Sheelagh Brin Ferlito
(Vectura Consulting Services, LLC)



20. Certifications/Licenses

Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications

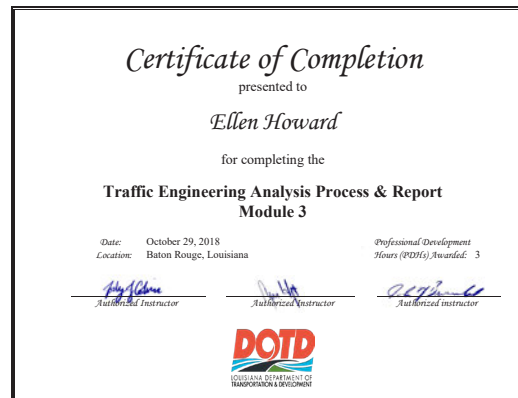
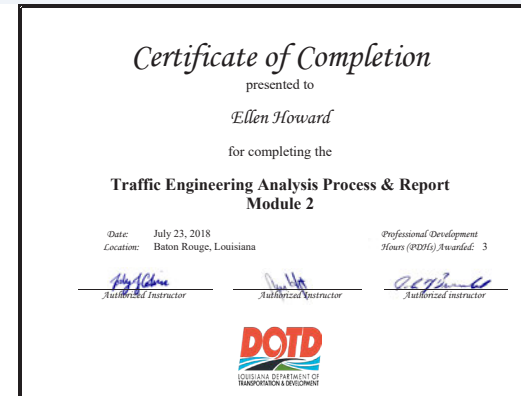
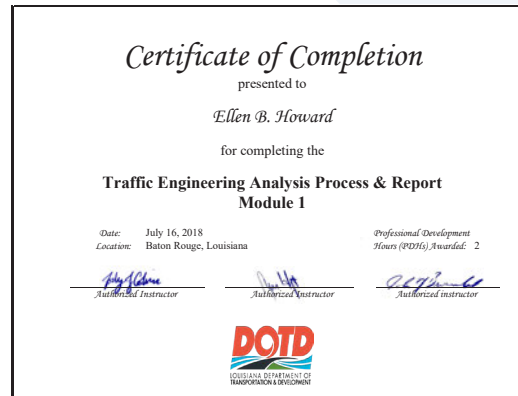
Laurence Lambert
(Vectura Consulting Services, LLC)



20. Certifications/Licenses

Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications

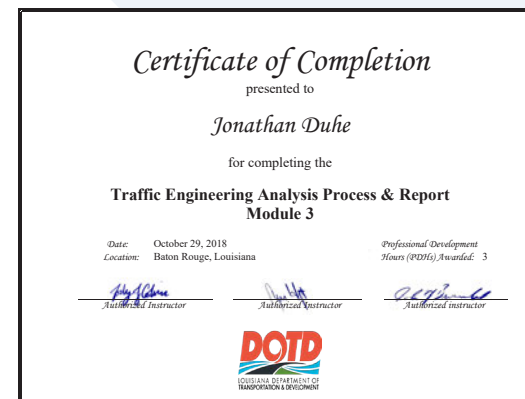
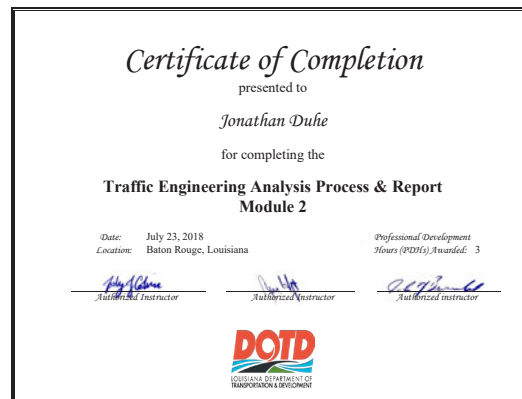
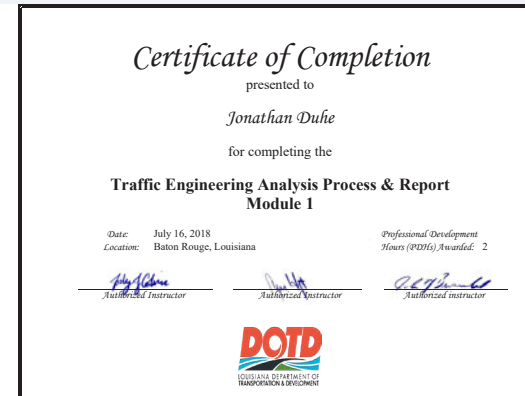
Ellen B. Howard
(Neel-Schafer)



20. Certifications/Licenses

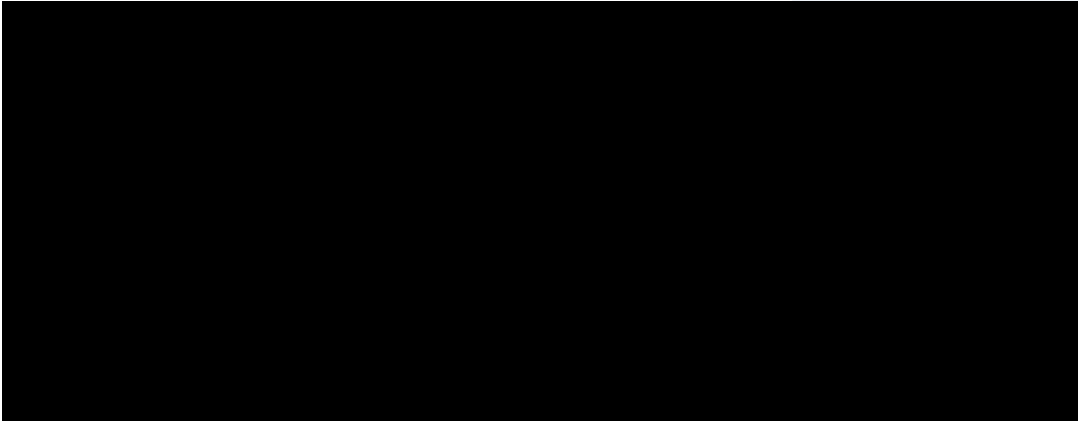
Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications

Jonathan Paul Duhe
(Neel-Schafer)



20. Certifications/Licenses

Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications



Mai Nguyen
(Neel-Schafer)



Dishli Shawon Young
(Neel-Schafer)



20. Certifications/Licenses

Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications

Ross Andrew Wilson
(Forte & Tablada)



Bradley Scott Holleman
(Forte & Tablada)



20. Certifications/Licenses

Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications

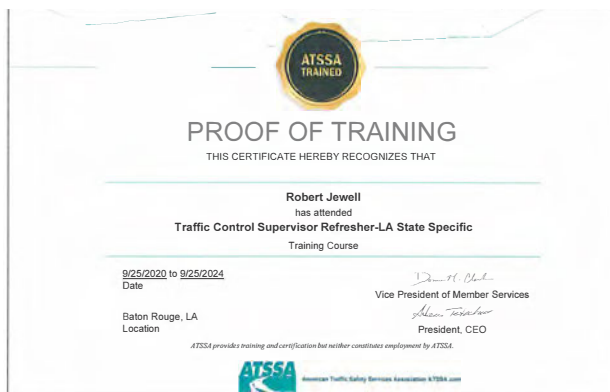
Joffrey Easley
(Forte & Tablada)



Megan G. Bourgeois
(Ardaman)



Robert Jewell
(Ardaman)



20. Certifications/Licenses

Additional Certificate and Licenses - Traffic Control Supervisor/Technician/Flagger Certifications

T.J. Beau Stokes
(T. Baker Smith)



Perry Smith
(T. Baker Smith)



20. Certifications/Licenses

Vectura Consulting Services, LLC

DBE Certificate





Section 21

QA/QC Plan

21. QA/QC Plan

QA/QC Plan is required to be submitted within 10 days of award, and therefore not required to be included in the 24-102.



Section 22

Subconsultant Information

22. Subconsultant Information			
Firm Name (as registered with Louisiana's Secretary of State)	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) 752-4790
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Russell J. "Joey" Coco, Jr., P.E. jcoco@forteandtablada.com	(225) 927-9321
KGC Environmental Services Inc	344 Black River Drive Madisonville, LA 70447	Kevin Guth kmguth@kgces.com	(225) 936-3456
Neel-Schaffer, Inc.	10000 Perkins Rowe, Suite G360 Baton Rouge, LA 70810	Nick Ferlito nick.ferlito@neel-schaffer.com	(225) 924-0235
T. Baker Smith, LLC	442 South Van Avenue Houma, LA 70363	TJ Stokes, PE tj.stokes@tbsmith.com	(985) 868-1050
Vectura Consulting Services, LLC	4467 Bluebonnet Boulevard, Suite A, Baton Rouge, LA 70809	Sheelagh Brin Ferlito bferlito@vecturacs.com	(225) 223-6685

The image features a photograph of a road lined with trees, overlaid with a blue gradient and geometric shapes. The road is paved and has a white line down the center. The trees are bare, suggesting a winter or late autumn setting. The blue gradient is darker on the left and lighter on the right. There are two large blue triangles on the left side, one pointing towards the top-left and another pointing towards the bottom-left. A vertical white line is on the right side.

Section 23

Location

23. Location

Location is not required for this solicitation