

Statement of Qualifications for:  
Contracts: 4400029683, 4400029684, 4400029685

# IDIQ Contract for In-Depth Bridge Inspection Statewide

Submitted to: LaDOTD  
Submitted by: HNTB Corporation  
Due date: August 8, 2024





August 8, 2024

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

RE: IDIQ Contract for In-Depth Bridge Inspection Statewide - Contract Nos. 4400029683, 4400029684 and 4400029685

Dear members of the selection committee:

HNTB Corporation (HNTB) is pleased to submit our team's proposal to the Louisiana Department of Transportation and Development (LaDOTD) for contract numbers 4400029683, 4400029684 and 4400029685. Our team looks forward to the opportunity to assist you with this complex bridge inspection indefinite delivery/indefinite quantity (IDIQ) contract. The HNTB team, in partnership with **Moffatt & Nichol, Inc., Burgess & Niple, Inc., Forte & Tablada, Inc., GOTECH, Inc.** and **KTA-Tator, Inc.** will bring three key benefits:

**Deep Understanding of LaDOTD.** Our team has proven relationships with LaDOTD's bridge inspection, design and maintenance staff, as well as intimate knowledge of its policies and procedures. Over our three previous contracts, the HNTB team has developed a deep understanding of what it takes to deliver inspections for Louisiana's most complex structures. We are committed to working collaboratively with you to deliver these inspection assignments in a manner that will exceed your expectations.

**Unmatched Bridge Inspection Resources.** The HNTB team is equipped with 22 NHI/FHWA certified team leaders, 16 NHI/FHWA fracture critical (NSTM) inspectors, 25 SPRAT/IRATA rope access technicians and eight ADCI underwater bridge inspectors for this IDIQ contract. HNTB's team consists of numerous qualified team leaders who lead multiple teams of two or more inspectors to inspect and document deficiencies throughout large complex bridges. For this contract, HNTB can successfully deploy up to 25 rope access inspectors at one time across structures, allowing for inspections of over 95% of the bridge with zero lane closures and only requiring short one-day weekend closures. In addition, HNTB has a proven record of reducing contracted fees for each inspection cycle and regularly being below budget at the final invoice.

**Robust, Full-Service Multi-Disciplined Team.** Our local, core team has experience and technical expertise to take any bridge inspection and translate discovered defects into repair plans. For example, on the US 90 Atchafalaya Mississippi River Bridge, HNTB performed a routine National Bridge Inspection Standards (NBIS) inspection, developed repair recommendations based on the findings, converted those recommendations into rehabilitation plans and provided construction support - all with the same core group of bridge engineers. We are complemented by a deep bench of technical professionals and

nationally recognized subject matter experts (SME). We have substantial capacity and expertise, and offer LaDOTD flexibility to deliver multiple bridge inspections simultaneously, if desired.

Our team will be led by **Patrick Roth, PE**. As a leading bridge inspection engineer in the southeast, Patrick has worked with LaDOTD on many previous bridge inspections. He is supported by a strong team of professional engineers and inspectors who are very familiar with LaDOTD's bridge inspection, maintenance and design policies and procedures. Patrick and his team have consistently provided highly responsive and trusted engineering services to LaDOTD for many years. Our bridge inspection team's workload is focused on the current LaDOTD bridge inspection IDIQ, and the team is ready to transition into this in-depth bridge inspection contract.

We have assembled a robust group of subconsultants that bring specialty skills and provide full-service capabilities to complete all required contract tasks. Our team includes a minority-owned firm who has a proven track record of performance with LaDOTD and an ongoing relationship with HNTB.

Most importantly, our top priority is helping LaDOTD be successful in the maintenance of their critical infrastructure systems and ensuring public safety. We are pleased to have the opportunity to continue our partnership and assist you with this important in-depth bridge inspection contract. The HNTB team is ready to begin working now. We look forward to exceeding your expectations.

Respectfully submitted,  
**HNTB Corporation**

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

Todd Dustin "Dusty" Bastion, PE  
Principal-in-Charge  
(225) 368-2810  
dbastion@hntb.com

A blue ink signature of Patrick J. Roth, written in a cursive style.

Patrick J. Roth, PE  
Project Manager  
(504) 872-3014  
pjroth@hntb.com



# Sections 1-11



# DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES  
IDIQ CONTRACT FOR IN-DEPTH BRIDGE INSPECTION

Contract Nos. 4400029683, 4400029684, and 4400029685

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 name as shown in the advertisement	IDIQ Contract for In-Depth Bridge Inspection Statewide
2. Contract number(s) as shown in the advertisement	4400029683, 4400029684, 4400029685
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, Louisiana 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, Louisiana 70801
8. Name, title, phone number and email address of prime consultant's contract point of contact	Todd Dustin "Dusty" Bastion, PE - Gulf Coast District Office Leader Phone: (225) 368-2810 / Email: <a href="mailto:dbastion@HNTB.com">dbastion@HNTB.com</a>
9. Name, title, phone number and email address of the official with signing authority for this proposal	Todd Dustin "Dusty" Bastion, PE - Gulf Coast District Office Leader Phone: (225) 368-2810 / Email: <a href="mailto:dbastion@HNTB.com">dbastion@HNTB.com</a>



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.



Signature above shall be the same person listed in Section 9.

August 7, 2024

Date

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

Firm(s):	Firm(s) %:
GOTECH, Inc.	4%
Total:	4%



# Section 12

## Past Performance Evaluation Discipline Table

12. Past Performance Evaluation Discipline Table								
Past Performance Evaluation Discipline(s)	% of Overall Contract	HNTB Corporation (Prime)	Moffatt & Nichol, Inc.	Burgess & Niple, Inc.	Forte & Tablada, Inc.	GOTECH, Inc. (DBE)	KTA-Tator, Inc.	Each Discipline must total to 100%
Road	4%	75%	0%	0%	0%	25%	0%	100%
Bridge	90%	57%	30%	10%	3%	0%	0%	100%
Survey	3%	0%	0%	0%	0%	100%	0%	100%
Other (Advanced Measurements, Nondestructive Evaluation, Testing and Coating Assessment)	3%	0%	0%	0%	50%	0%	50%	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%	54.3%	27.0%	9.0%	4.2%	4.0%	1.5%	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
	Designer	1	16
	Engineer (LA PE)	8	11
	Engineer Intern	3	45
	Engineer - Other	6	28
	Professional	6	10
	Principal	2	5
	Supervisor - Eng	4	11
	Supervisor - Other	4	71
Moffatt & Nichol, Inc.	Administrative	2	4
	CADD - Operator	5	6
	Engineer (LA PE)	8	39
	Engineer Intern	6	10
	Engineer - Other	6	12
	Inspector - Bridge	8	13
	Inspector - Lead	8	25
	Principal	1	2
	Senior Technician	8	13
	Supervisor - Eng	3	10
	Other (Underwater Inspector - Bridge)	7	10
	Other (Underwater Inspector - Lead)	6	12

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)
Burgess & Niple, Inc.	CADD - Operator	1	2
	Engineer (LA PE)	3	3
	Engineer Intern	3	4
	Engineer - Other	8	18
	Inspector - Bridge	3	3
	Principal	1	2
Forte & Tablada, Inc.	Engineer	1	4
	Senior Technician	1	6
	Supervisor - Eng	1	4
GOTECH, Inc.	Instrument Man	1	2
	Supervisor	1	2
KTA-Tator, Inc.	Supervisor - Other	2	4



A black and white photograph of two construction workers on a bridge, overlaid with a green geometric design. The workers are wearing hard hats and safety harnesses. One worker in the foreground is holding a long pole. The background shows a body of water and a distant city skyline. The text 'Section 14 Organizational Chart' is overlaid on the right side of the image.

# 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

Patrick J. Roth, PE ♦ 134 3



Principal-in-Charge

Todd Dustin Bastion, PE 1 2



Quality Assurance/Quality Control (QA/QC)

Joshua Porter, PE 2 Chace Mikel Hulon, PE, ADCI ♦ 134 10



Truss, Cable-Stayed, Fracture Critical and Movable Inspection

NBIS Inspection

Patrick J. Roth, PE ♦ 134 3

Benjamin Goodner, PE

Joshua Porter, PE ♦ 2

Nicholas Ryan Hart, PE ♦ 4 5

Marc Alexander Hoffmann, PE ♦ 4 4

Lionel Waters, PE ♦ 34 4

Kaleb Hawk, PE ♦ 34

Loren "LJ" Dickens, PE ♦ 34

Zachary Reineke, PE 4

Lars Jensen, EI 4

Kaitlyn Kolbo, PE ♦ 4

Matthew Stieglitz, PE ♦ 4

David Ball, EI ♦ 34

Ricardo Martinez Jr. 4

Aldon Mury 4

Chace Mikel Hulon, PE, ADCI ♦ 134 10

Charles Balzarini, PE, ADCI ♦ 34

Matthew Balzarini, PE, ADCI ♦ 34

Bryan Michael Tyson, PE, ADCI ♦ 4 8 9

Mike Russell, EI ♦ 4

Christopher A. Eschenbach, ADCI 4

Clint J. Harr, PE, ADCI ♦ 34 8 9

Kimberly Marie Gravatt, PE, ADCI ♦ 8 9

Stephanie Athanas (formerly Eschenbach), EI 4

Joffrey Easley, PE ♦ 13

Levi Yantis, PE ♦ 1

Edward Michael Cinadr, PE ♦ 134 4

Brendan James Prendeville, PE ♦ 34 5

Michael Kronander, PE ♦ 134

James "Drew" Appler, PE ♦ 134

Drone Pilot

Loren "LJ" Dickens, PE ♦ 34

Nondestructive Testing

James Kretzler 7

Mechanical

Daniel Appelbaum, PE

Michael "Cody" Miller

Yehoshua "Josh" Gilad, PE 4

Electrical

Gregory Baron, PE

Paul Hunter, PE

Rodney Trammell, PE 4

Underwater Inspection

Chace Mikel Hulon, PE, ADCI ♦ 134 10

Charles Balzarini, PE, ADCI ♦ 34

Matthew Balzarini, PE, ADCI ♦ 34

Bryan Michael Tyson, PE, ADCI ♦ 4 8 9

Christopher A. Eschenbach, ADCI 4

Clint J. Harr, PE, ADCI ♦ 34 8 9

Kimberly Marie Gravatt, PE, ADCI ♦ 8 9

Stephanie Athanas (formerly Eschenbach), EI 4

Jeffery M. Gazarek, ADCI

Eric Jones, ADCI 9

Kyle Bailey, ADCI 9

Design Services, Construction Support and Load Rating

Design Services and Construction Support

Benjamin Goodner, PE

Joshua Porter, PE ♦ 2

Marc Alexander Hoffmann, PE ♦ 4 4

Nicholas Ryan Hart, PE ♦ 4 5

John Bernard, PE

Load Rating/Load Capacity Analysis

Joshua Porter, PE ♦ 2

Marc Alexander Hoffmann, PE ♦ 4 4

Aravind Tankasala, PhD, PE

Patrick Duffy, PE

Joffrey Easley, PE ♦ 13

Levi Yantis, PE ♦ 1

Traffic Control Plans

Randal Bonura, PE 1

Bruce Dyson, PE, PLS 1

Survey and Advanced Measurements

Robert Alan Price, PLS 11

Brent Campbell

Painting and Coating

Robert Lanterman, PCS 6

LEGEND

- HNTB Corporation

Moffatt & Nichol, Inc.

Burgess & Niple, Inc.
- Forte & Tablada, Inc.

GOTECH, Inc. (DBE)

KTA-Tator, Inc.
- # Fulfillment of MPR

♦ National Highway Institute/Federal Highway Administration (NHI/FHWA) Certified Team Leader
1. Traffic Control Supervisor

2. LaDOTD Movable Bridge Inspection Workshop
3. FHWA/NHI Fracture Critical Inspector Course

4. Society of Professional Rope Access Technicians (SPRAT) Training (Rope Access)



# Section 15

## Minimum Personnel Requirements



15. Minimum Personnel Requirements					
MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MRP / certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Todd Dustin Bastion, PE	HNTB Corporation	PE #36719 - Civil	LA	03-31-2026
2	Todd Dustin Bastion, PE	HNTB Corporation	PE #36719 - Civil	LA	03-31-2026
3	Patrick J. Roth, PE	HNTB Corporation	PE #41553 - Civil Patrick's resume presents more than five years of experience in responsible charge of bridge design/structural inspection of river crossing structures.	LA	09-30-2025
4	Marc Alexander Hoffmann, PE	HNTB Corporation	PE #44342 - Civil FHWA-NHI-130053 Bridge Inspection Refresher Training FHWA-NHI-130055 Safety Inspection of In-Service Bridges Marc's resume presents more than six months of experience in bridge inspection.	LA	09-30-2024
4	Lionel Waters, PE	HNTB Corporation	PE #25364 - Civil PE #65673 - Civil FHWA-NHI-130053 Bridge Inspection Refresher Training FHWA-NHI-130055 Safety Inspection of In-Service Bridges Lionel's resume presents more than six months of experience in bridge inspection.	WV VA	12-31-2024 11-30-2024
4	Edward Michael Cinadr, PE	Burgess & Niple, Inc.	PE #35390 - Civil FHWA-NHI-130053 Bridge Inspection Refresher Training FHWA-NHI-130055 Safety Inspection of In-Service Bridges Edward's resume presents more than six months of experience in bridge inspection.	LA	09-30-2024
5	Nicholas Ryan Hart, PE	HNTB Corporation	PE #43150 - Civil FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers	LA	03-31-2025
5	Brendan James Prendevile, PE	Burgess & Niple, Inc.	PE #45371 - Civil FHWA-NHI-130053 Bridge Inspection Refresher Training FHWA-NHI-130055 Safety Inspection of In-Service Bridges	LA	09-30-2025
6	Robert Lanterman, PCS	KTA-Tator, Inc.	Society for Protective Coatings (SSPC) Certified Protective Coatings Specialist (PCS) #2015-820-136 National Association of Corrosion Engineers (NACE) Bridge Coating Inspector Level 3 #13505	N/A N/A	12-31-2027 05-23-2025
7	James Kretzler	KTA-Tator, Inc.	American Society of Nondestructive Testing (ASNT) Nondestructive Testing (NDT) Level III Liquid Penetrant Testing #186946	N/A	10-31-2025
8	Bryan Michael Tyson, PE, ADCI	Moffatt & Nichol, Inc.	PE #43425 - Civil Association of Diving Contractors International (ADCI) #54102 FHWA-NHI-130053 Bridge Inspector Refresher Training FHWA-NHI-130091 Underwater Bridge Inspection Bryan's resume presents more than six months of experience in bridge inspection.	LA N/A	03-31-2025 04-06-2026

15. Minimum Personnel Requirements					
MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MRP / certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
8	Clint J. Harr, PE, ADCI	Moffatt & Nichol, Inc.	PE #59715 - Civil ADCI #62866 FHWA-NHI-130053C Bridge Inspector Refresher Training FHWA-NHI-130091 Underwater Bridge Inspection FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges Clint's resume presents more than six months of experience in bridge inspection.	MD N/A	04-27-2025 04-28-2026
8	Kimberly Marie Gravatt, PE, ADCI	Moffatt & Nichol, Inc.	PE #44084 - Structural ADCI #67016 FHWA-NHI-130053 Bridge Inspector Refresher Training FHWA-NHI-130091 Underwater Bridge Inspection Kimberly's resume presents more than six months of experience in bridge inspection.	MD N/A	06-13-2025 12-22-2028
9	Bryan Michael Tyson, PE, ADCI	Moffatt & Nichol, Inc.	ADCI #54102 FHWA-NHI-130053 Bridge Inspector Refresher Training FHWA-NHI-130091 Underwater Bridge Inspection	N/A	04-06-2026
9	Clint J. Harr, PE, ADCI	Moffatt & Nichol, Inc.	ADCI #62866 FHWA-NHI-130053C Bridge Inspector Refresher Training FHWA-NHI-130091 Underwater Bridge Inspection FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges	N/A	04-28-2026
9	Kimberly Marie Gravatt, PE, ADCI	Moffatt & Nichol, Inc.	ADCI #67016 FHWA-NHI-130053 Bridge Inspector Refresher Training FHWA-NHI-130091 Underwater Bridge Inspection	N/A	12-22-2028
9	Eric Jones, ADCI	Moffatt & Nichol, Inc.	ADCI #48879 FHWA-NHI-130055 Safety Inspection of In-Service Bridges FHWA-NHI-130091 Underwater Bridge Inspection	N/A	08-29-2025
9	Kyle Bailey, ADCI	Moffatt & Nichol, Inc.	ADCI #65850 FHWA-NHI-130055 Safety Inspection of In-Service Bridges FHWA-NHI-130091 Underwater Bridge Inspection	N/A	03-30-2028
10	Chace Mikel Hulon, PE, ADCI	Moffatt & Nichol, Inc.	Chace's resume presents more than five years of experience in underwater imaging.		
11	Robert Alan Price, PLS	GOTECH, Inc.	Professional Land Surveyor (PLS) #4889 - Surveyor	LA	03-31-2026

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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	Patrick J. Roth, PE	Years of relevant experience with this employer	12
Title	Project Manager	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • FHWA-NHI-130053 Bridge Inspector Refresher Training • FHWA-NHI-130055 Safety Inspection of In-Service Bridges • FHWA-NHI-130078 Fracture Critical Inspection Techniques For Steel Bridges • SPRAT Level I Rope Access Technician • American Traffic Safety Services Association (ATSSA) Traffic Control Supervisor	
Active registration number / state / expiration date		PE: #41553 / LA / 09-30-2025; #28132 / MS / 12-31-2024	
Year registered	LA: 2013; MS: 2017	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Manager, NBIS Inspection MPR ③	
<p>Patrick is project manager and NHI/FHWA certified team leader in HNTB's bridge group. He brings 16 years of structural and bridge engineering experience including the inspection, analysis, rehabilitation of existing structures and design of new bridges. Patrick is also experienced in construction management and has provided on-site services for bridge construction projects. As project manager/lead inspection team leader, he is responsible for planning, scheduling all personnel and equipment, coordinating with multiple agencies and managing teams in the field to ensure completion of the project with high quality, on time, on budget and to the client's satisfaction.</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-present	<b>LaDOTD 2016, 2019 and 2021 Retainer Contracts for NBIS Inspection of Complex Bridges, Statewide, Louisiana.</b> Project manager and team leader for the NBIS in-depth inspections of US 190 Baton Rouge Mississippi River Bridge, I-310 Luling Mississippi River Bridge, LA 10 John James Audubon Mississippi River Bridge, US 90 Greater New Orleans (GNO) Cantilever Truss Bridges, LA 23 Judge Perez Bridge, LA 1 Lockport Bridge, US 90 Atchafalaya Mississippi River Bridge, I-10 Calcasieu River Bridge, I-10 Baton Rouge Mississippi River Bridge, US 90 Danziger Bridge, Senator Ted Hickey Bridge and Claiborne Avenue Bridge. Bridge types inspected include cable-stayed, cantilever truss, movable, precast prestressed concrete (PPC) girders, deck truss and steel trestle bents. Performed inspections of the cables, trusses and other bridge members high above the water have been performed using rope access inspectors, snooper trucks, aerial lifts and under-bridge movable platforms. Upon completion of the inspections, HNTB prepared inspection reports in accordance with LaDOTD and FHWA requirements, as well as developed recommendations for maintenance and rehabilitation. Each inspection report includes inputting all inspection data and Specifications for the National Bridge Inventory (SNBI) updates into LaDOTD's asset management system, InspectX.		



**Patrick J. Roth, PE**

05/21-present	<b>Arkansas Department of Transportation (ArDOT), Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas and Memphis, Tennessee.</b> Team leader for the emergency inspections of the back-to-back, 900-foot tied trussed arch bridge. These inspections resulted from the identification of a significant fracture in a section of the fracture critical tie girder, requiring immediate closure of the span to traffic and the Mississippi River to navigation traffic. HNTB assisted ArDOT with the review of repairs designed by the Tennessee Department of Transportation (TDOT) consultant. HNTB developed a structural model which demonstrated that there was no viable alternative load path and that the bridge should remain closed until repairs could be safely implemented.
02/17-06/17; 02/21-05/21	<b>LaDOTD, I-310 Luling Mississippi River Bridge In-Depth Inspection, Luling, Louisiana.</b> Project manager and team leader in the 2017 and 2021 in-depth inspections of this orthotropic deck cable-stayed bridge crossing the Mississippi River. Duties included planning inspection, scheduling all personnel and equipment and managing multiple teams in the field, and ensuring completion of the superstructure inspection, which consisted of longitudinal box girders, under-side of orthotropic deck, floor beams, cross girders and lower cable anchorages. Led the inspection via rope access of the steel towers, stay cables and friction dampers. Inspected fracture critical members (FCMs) and was responsible for the development of the element level report and in-depth inspection report.
09/17-01/22	<b>LaDOTD, Trust Indenture Inspection of the LA 1 (Phase 1 Elevated Highway), Golden Meadow, Louisiana.</b> Certified team leader and deputy project manager who led the 2018, 2019, 2020, 2021 and 2022 fiscal year trust indenture inspections of this elevated state highway structure, extending approximately 9 miles between Leeville and Port Fourchon. Assisted with development and QC of the inspection reports and repair recommendations. HNTB has received 100 % performance rating scores from the LaDOTD project manager for these annual inspections.
02/17-06/17	<b>LaDOTD, US 90 Atchafalaya Mississippi River Bridge NBIS Inspection and Rehabilitation, St. Mary Parish, Louisiana.</b> Certified team leader and on-site project engineer performing construction engineering and inspection (CE&I) services for the bridge rehabilitation, as well as certified team leader for the NBIS in-depth inspection of the bridge to assist in the development of the rehabilitation plans. Duties as project engineer included answering requests for information (RFI), reviewing shop drawings and all contractor submittals, inspection of all structural construction activities, final acceptance inspection and QA, and assisting the LaDOTD with closeout documentation.
11/17-03/18	<b>LaDOTD, LA 23 Judge Perez Bridge NBIS In-Depth Inspection, Belle Chasse, Louisiana.</b> Project manager and team leader in the 2017 in-depth inspection of the vertical lift bridge crossing the Intracoastal Waterway. Duties included planning inspection, scheduling all personnel and equipment and managing multiple teams in the field. Inspected FCMs and was responsible for the development of the InspectTech element level report and in-depth inspection report.
04/17-09/17	<b>LaDOTD, LA 1 Lockport Bridge NBIS In-Depth Inspection, Lockport, Louisiana.</b> Project manager and team leader in the 2017 in-depth inspection of the vertical lift bridge crossing the Company Canal. Duties included managing inspection and working with subconsultants to complete the inspection. Inspected FCMs and was responsible for QC of the InspectTech element level report and in-depth inspection report.
05/16-01/17	<b>Metropolitan Transportation Authority (MTA), Verrazano Narrows Bridge Biennial Inspection, New York.</b> Team leader and field project manager responsible for managing and scheduling multiple inspection teams in the field for the five-month inspection of this 13,700-foot (4,260-foot main span) double level suspension bridge. The complex inspection included fracture critical elements, NDT of pins, rope access inspection of cables and numerous types of access equipment and inspection techniques. Responsible for cost control and schedule of personnel and equipment in order to complete the job with high quality, on time and on budget. Other responsibilities included the preparation of the biennial inspection report.
05/15-03/16	<b>New York State Department of Transportation (NYSDOT), Arterial and Local Bridges Biennial/Interim Inspection, Bronx County, Bronx, New York.</b> NBIS certified team leader responsible for the biennial inspection and writing the inspection reports of multiple arterial highway and pedestrian bridges throughout Bronx County.
06/14-03/16	<b>MTA, Robert F. Kennedy Bridge Biennial Inspection and Special Inspection, New York, New York.</b> NBIS team leader and field project manager on the vertical lift bridge and multiple approach ramps. Responsible for coordinating multiple inspection teams in the field, managing structural flags and writing the biennial inspection reports.

## 16. Staff Experience

Firm employed by:



Name	Todd Dustin Bastion, PE		Years of relevant experience with this employer	12
Title	Gulf Coast District Office Leader		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; #21004 / MS / 12-31-2024		
Year registered	LA: 2011; MS: 2012	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Principal-in-Charge MPR ① ②		
<p>Todd Dustin "Dusty" has experience in project management, design, detailing, analysis, inspection and load rating of bridge structures. His experience includes many types of superstructures and substructures in projects varying from multi-level interchanges to off-system bridge replacements. Dusty is proficient with NBIS element level inspection procedures. His experience includes structural design, plans, specifications and estimates (PS&amp;E) development, specifications development, cost estimating, QC review and project management ranging from standard bridge projects to non-typical accelerated time frame projects. Dusty is a former LaDOTD engineer and is familiar with LaDOTD inspection and project development processes.</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).			
04/20-Ongoing	<p><b>LaDOTD, IDIQ Contract for Innovative Procurement and Alternative Delivery Support Services, Statewide, Louisiana.</b> Project manager for this task order based IDIQ contract focused on innovative procurement and alternative delivery support services. Directly managed the contracting and execution of 12 task orders spanning across public-private partnership (P3) procurement, design-build (DB) procurement, advisory services, grant applications and early works projects to facilitate a larger P3 project over the past four years. 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, as well as grants for BR-N0 passenger rail. Managed various early works projects for I-10 Calcasieu River Bridge including existing bridge inspection/rehabilitation, railroad spur relocations and facilitating pipe rack relocations to ensure the larger P3 can be constructed without delay. Worked closely with LaDOTD and internal HNTB personnel to ensure the on-time delivery of all deliverables due to the critical nature of all of these assignments.</p>			
04/20-Ongoing	<p><b>LaDOTD, IDIQ Contract of Bridge Preservation, Statewide, Louisiana.</b> Project manager for this task order-based IDIQ contract focused on bridge preservation. Directly managed the contracting and execution of more than 20 task orders over the past four years. Task orders consisted of interstate median barrier design and detailing (I-20 in Bossier and I-110 in Baton Rouge), bridge replacements using phased construction (LA 1 over Caddo Lake in Mooringsport) and girder replacements/repairs due to overheight vehicle impacts (Orange Street over I-20 in Monroe, LA 3250 over I-49 in Alexandria and I-12 over LA 1032 in Denham Springs). 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.</p>			
08/15-04/22	<p><b>LaDOTD, LA 23 Judge Perez Bridge, Belle Chasse, Louisiana.</b> 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, replaced two obsolete highway facilities with one new fixed span bridge. Responsibilities included development of technical procurement documents, response to developer questions, attendance in confidential meetings with contractors, utility and stakeholder involvement, proposal evaluation participation and close coordination with LaDOTD leadership to ensure this project is a leading example of what alternative delivery can do for the state. A developer was selected in mid-2019 and construction finished in 2022.</p>			

## Todd Dustin Bastion, PE

08/15-04/22	<b>LaDOTD, Retainer Contract for Bridge Preservation, Statewide, Louisiana.</b> Project manager for this task order-based retainer contract focused on bridge preservation. Directly managed the contracting and execution of 32 task orders over seven years. Task orders consisted of bridge rehabilitations/replacements using accelerated bridge construction (ABC) techniques (I-20 Rehab in Bossier, US 80 over I-20 in Calhoun, US 90 over Louisiana and Delta Railroad (LDRR), LA 329 in New Iberia, US 90 over LA 14 in New Iberia and I-10 Slab Spans over Veterans Boulevard in New Orleans), bridge replacements using conventional construction techniques (LA 442 over Tangipahoa River in Hammond and LA 532 over I-20 near Minden) and analysis/rehabilitation of through-truss structures (LA 182 Bridge in Charenton and US 90 Atchafalaya Bridge in Morgan City). 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.
09/17-01/22	<b>LaDOTD, Trust Indenture Inspection of LA 1 (Phase 1 Elevated Highway), Golden Meadow, Louisiana.</b> Assisted in multiple trust indenture inspections of this elevated state highway structure extending approximately 9 miles between Leeville and Port Fourchon. Assisted with inspecting the superstructure of this PPC girder bridge with reinforced concrete substructures. Assisted with development and QC of the inspection reports and repair recommendations.
05/17-Ongoing	<b>LaDOTD, US 90 Atchafalaya Mississippi River Bridge Repairs, Morgan City, Louisiana.</b> Project manager for this steel through-truss structure, which consists of numerous repairs to the steel superstructure and painting to allow the bridge to function for the foreseeable future. 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 for construction to start as early as possible. Currently this project is near the end of construction with construction support services nearly complete as well. Participated as lead inspector in the in-depth inspection of this structure prior to bridge rehabilitation work. All bridge repairs were developed based off of this in-depth inspection.
04/13-Ongoing	<b>LaDOTD, LA 1 Leeville to Golden Meadow (Phase 2), Leeville, Louisiana.</b> Project manager for this bridge project, which will eventually connect at-grade LA 1 to the existing Phase 1 structure. Duties included coordination with LaDOTD personnel, superstructure development, substructure development and geometric alignment development. Additional project coordination responsibilities included subconsultants, permits, utilities, electrical/lighting design, intelligent transportation systems (ITS) design and tolling system design. This project is multi-faceted, including a phased design and construction approach, a tolling facility, levee, flood wall and pipeline crossings, unique ABC methods and environmental regulations. Currently leading all construction support services activities.
02/17-06/17	<b>LaDOTD, I-310 Luling Mississippi River Bridge NBIS In-Depth Inspection, Luling, Louisiana.</b> Assisted in the 2017 in-depth inspection of this orthotropic deck cable-stayed superstructure bridge crossing the Mississippi River. Responsibilities included inspection of under-deck areas of the superstructure consisting of longitudinal box girders, under-side of orthotropic deck, floorbeams, cross girders and lower cable anchorages. Inspected FCMs and assisted in the QC the draft inspection report.
03/16-01/17	<b>LaDOTD, I-10 Baton Rouge Mississippi River Bridge, I-10 Calcasieu River Bridge and LA 10 John James Audubon Mississippi River Bridge NBIS In-Depth Inspections, Statewide, Louisiana.</b> Assisted in the 2016 NBIS in-depth inspections of all three structures and served as certified team leader during certain periods. Two of these bridges are through-truss type superstructures which contain fracture critical components. The other bridge is a cable-stayed superstructure. Inspected various superstructure components and developed portions of the in-depth inspection report during the I-10 Baton Rouge Mississippi River Bridge (through-truss) inspection. Inspected superstructure components and performed QC reviews for many inspection documents including inspection notes and the report for the I-10 Calcasieu River Bridge (through-truss) inspection. Inspected the towers as well as the upper and lower cable anchorages for the LA 10 John James Audubon Mississippi River Bridge (cable-stayed) inspection.
08/12-11/12; 09/14-01/15	<b>Mississippi Department of Transportation (MDOT), US 84 Mississippi River Bridges Pin and Link Replacement and NBIS Routine Inspection, Natchez, Mississippi.</b> Inspection team leader during the 2012 and 2014 NBIS routine bridge inspections of the US 84 Bridge over the Mississippi River. Both of these structures, which contain fracture critical components, are steel through-truss superstructures resting on reinforced concrete substructures. Inspected various bridge components and assisted with the development of an inspection report. Developed various repair plans, performed QC, developed cost estimates and project coordination for the pin and link replacement work on the westbound structure with MDOT and internal staff.



## 16. Staff Experience

Firm employed by:



Name	Joshua 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 Additional Training/Certifications: <ul style="list-style-type: none"> <li>• NHI/FHWA Certified Team Leader</li> <li>• FHWA-NHI-130053 Bridge Inspection Refresher Training</li> <li>• FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> <li>• LaDOTD Movable Bridge Inspection Workshop</li> </ul>		
Active registration number / state / expiration date		PE: #39513 / LA / 09-30-2025		
Year registered	2015	Discipline	Civil	
Contract role(s) / brief description of responsibilities		QA/QC; NBIS Inspection; Design Services and Construction Support; Load Rating/Load Capacity Analysis		
Joshua is an FHWA certified team leader and his experience in bridge design, load rating, inspection and detailing includes structure types such as trusses, PPC girders, curved and straight steel girders. He develops load rating and design models, oversees the development of bridge plans, cost estimating and benefit analyses, and leads bridge inspections. He has a firm understanding of the SNBI, the American Association of State Highway and Transportation Officials (AASHTO) Load Resistance Factor Design (LRFD) Bridge Design Specifications and the AASHTO Manual for Bridge Evaluation (MBE). He has experience with AASHTO Bridge Rating and Bridge Design, LEAP CONSPAN and RC Pier, STAAD and CSi Bridge.				
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).			
11/21-Ongoing	<b>LaDOTD, I-10 Calcasieu River Bridge Rehabilitation, Calcasieu Parish, Louisiana.</b> Project manager responsible for the rehabilitation of the existing structure to extend the life and serviceability of the structure until its expected replacement can be completed. Worked with the bridge maintenance staff and bridge design staff to develop a list of necessary repair items. The basis of the repairs was the inspection reports developed by a separate inspection task order.			
03/18-05/19	<b>LaDOTD, LA 70 Pierre Part Bay Bridge, Assumption Parish, Louisiana.</b> Project manager for a bridge rehabilitation study which involved the inspection, load rating and evaluation of a movable swing span bridge. Also participated in the full inspection of the movable bridge. Managed several engineering discipline leads including structural, inspection, electrical and mechanical.			
10/16-01/18	<b>LaDOTD, Load Rating Of Complex Bridges, Rapides and St. Mary Parishes, Louisiana.</b> Lead rating engineer for the inspection and load rating of two truss bridges - LA 182 over Charenton Canal Bridge and Jackson Street Bridge over the Red River. Completed the load rating of the LA 182 Charenton Canal truss and reinforced concrete spans and developed the load rating report. Led the in-depth inspection of the Jackson Street Bridge, overseeing and checking the rating of the truss, steel girder spans and substructures.			
03/17-05/17	<b>LaDOTD, US 90 Atchafalaya Mississippi River Bridge Inspection, St. Mary Parish, Louisiana.</b> Led an inspection team for the inspection of a steel through truss bridge crossing the Atchafalaya River. Inspection responsibilities included the bottom chord, bottom of deck, gusset plates and floor system.			

## Joshua Porter, PE

01/17-03/17	<b>LaDOTD, I-310 Luling Mississippi River Bridge NBIS In-Depth Inspection, Luling, Louisiana.</b> Team leader who identified and documented deficiencies and developed inspection reports. Inspection responsibilities included the bottom chord, bottom of deck, gusset plates and floor system. The team used rope access to inspect the outside face of the tower, friction dampers at the tower face and length of the cables. HNTB inspectors worked with experienced cable-stayed bridge designers. By doing so, the inspection team was able to focus on deficiencies that could affect the long-term performance of the bridge and advise owners on what corrective actions might be needed.
02/16-05/16	<b>LaDOTD, US 80 over Red River (Texas Street) Inspection, Shreveport, Louisiana*.</b> Task lead for the inspection, report writing and rehabilitation recommendations for a major truss bridge. The bridge consisted of a cantilever through truss main span, simple deck truss approach spans and reinforced concrete girder spans. Led the inspection overseeing three teams. The inspection was done using the NBIS element level inspection criteria, with the report summarizing the element level quantities and deficiencies. Based on the findings of the inspection, repair recommendations to prolong the life of the structure were developed.
12/14-06/15	<b>LaDOTD, 18 Posted Bridges, Various Locations, Louisiana*.</b> Load rating engineer and inspector who assisted in the development of recommendations of methods to remove the load posting of 18 bridges on major truck routes. Led the inspections to verify major deficiencies listed in previous inspection reports. Assisted in the analysis, evaluation and final recommendations for removing the posting, rehabilitation or replacement of the bridges. The bridges included reinforced concrete girder spans, PPC 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.
11/13-11/15	<b>LaDOTD, US 11 Lake Pontchartrain, St. Tammany Parish, Louisiana*.</b> Inspector, plan developer and designer who assisted in the inspection and cataloging of large deficiencies. Developed a method to efficiently load rate the reinforced concrete piles with varying degrees of degradation. Following the inspection and repair recommendations, plans for rehabilitation were developed that included carbon fiber reinforced polymer (CFRP) wrapping of the girders and piles, and the installation of passive corrosion resistance. US 11 Lake Pontchartrain was a project to rehabilitate an existing 5-mile bridge over Lake Pontchartrain connecting the city of New Orleans with the cities on the North Shore of the lake.
02/14-03/14	<b>LaDOTD, I-10 Bridge Evaluation, Lafayette and St. Martin Parishes, Louisiana*.</b> 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 and developed reports outlining the benefits of each. The project involved the evaluation of 22 bridges along the I-10 corridor near Lafayette for widening.

\*Denotes work completed at previous firm.

## 16. Staff Experience

Firm employed by:



Name	Chace Mikel Hulon, PE, ADCI		Years of relevant experience with this employer	10
Title	Project Manager, NBIS Team Lead Bridge Inspector		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		BS / 2005 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• NHI/FHWA Certified Team Leader</li> <li>• FHWA-NHI-130053 Bridge Inspector Refresher Training</li> <li>• FHWA-NHI-130055A Safety Inspection of In-Service Bridges</li> <li>• FHWA-NHI-135047 Stream Stability and Scour at Highway Bridges for Bridge Inspectors</li> <li>• FHWA-NHI-1350091 Underwater Bridge Inspection</li> <li>• FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges</li> <li>• ATSSA Traffic Control Supervisor</li> <li>• SPRAT Level 2 Rope Access Technician</li> <li>• ADCI Certified</li> </ul>		
Active registration number / state / expiration date		PE: #39701 / LA / 09-30-2025		
Year registered	2009	Discipline	Civil	
Contract role(s) / brief description of responsibilities		QA/QC; NBIS Inspection; Underwater Inspection MPR 10		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/22-Ongoing	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection Services, Statewide, Louisiana.</b> Project manager and inspection team leader for in-depth inspection (fulfilling both routine and fracture critical inspections) of several large bridges. Services included inspection planning, document retrieval/review, bridge inspection and QC review of inspections and reports. Level III inspections were completed in accordance with the FHWA Bridge Inspector's Reference Manual (BIRM), AASHTO MBE, AASHTO BEIM, and the LaDOTD Bridge Inspection Manual (BIM). US 190 Baton Rouge Mississippi River Bridge utilized rope access techniques and methodology to provide element-level inspection of approach spans. I-10 Calcasieu River Bridge is an in-depth inspection of approach and main truss spans with use of snooper truck. LA 10 John James Audubon Mississippi River Bridge focuses on an in-depth inspection of structure's towers and cable stays using rope access techniques to reach cables, dampers and anchorage. I-10 Horace Wilkinson Mississippi River Bridge is an in-depth inspection of all above deck truss elements (verticals, diagonals, top chord, sway bracing and gusset plates), access ladders, aviation lights and other elements.			

## Chace Mikel Hulon, PE, ADCI

03/20-02/23	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Bridges, Statewide, Louisiana.</b> Project manager and team leader for this five-year contract to perform in-depth bridge inspections on complex and movable bridges. Performed in-depth inspections (fulfilling both routine and fracture critical inspections) as a QA measure, checking work completed by District personnel for the Headquarters Bridge Inspection Office. This included cantilever trusses, cable-stayed bridges, movable swing span bridges and bascule bridges. Two cable-stayed bridges (LA 10 John James Audubon and I-310 Luling) with rope access techniques were inspected to examine 208 cables on the two bridges, their Gensui Dampers and anchorages. The Horace Wilkinson Mississippi River Bridge was inspected utilizing rope access techniques and rolling lane closures to greatly minimize traffic impacts. A supplemental inspection of US 90 GNO Cantilever Truss Bridges utilizing rope access techniques was performed. A fracture critical inspection of Green Bridge in New Orleans utilizing rope access and unmanned aircraft systems (UAS) access techniques was performed. The inspection of I-10 Calcasieu River Bridge utilized rope access on FCMs and UAS access techniques on columns. The Skydio drone with DroneDeploy and 3D scan collected an orthomosaic projection of the structure for digital twin models. Performed a hands-on management/implementation of the QC review plan as this was vital to project success.
11/19-08/23	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana.</b> Project manager and team leader for the detailed, in-depth NBIS bridge inspections on complex and movable bridges. Completed in-depth inspections (fulfilling routine and fracture critical inspections) as a QC check of work completed by District personnel for the Headquarters Bridge Inspection Office. This included cantilever truss, segmental concrete box girder, movable swing span, bascule, cable-stayed and bridges with timber elements. LA 8 Segmental Bridge over Red River used approach spans, bridge approaches, external portions of segmental bridge and general site. This inspection also included an interior inspection of 16 segmental spans involving confined space requirements. A non-permit confined space entry was completed via the alternative method consisting of ventilation and continual air monitoring. LA 1 Bridge over Atchafalaya River focused on an inspection of main truss spans below the guardrail. Under bridge inspection vehicle and rope access techniques were utilized to access all elements. Six movable bridges were also inspected using detailed, NDT and laboratory testing methods with hand sketches. Elements also included nondestructive evaluation (NDE) methods including laser and acoustic to analyze rotational movement of an unstable pivot pier. Superstructure and substructure components of I-20 Mississippi River Bridge were inspected. Performed a hands-on management/implementation of the QC review plan as it was vital to continued success of this project.
02/23-Ongoing	<b>LaDOTD, SNBI Program Development and Manual Publications, Statewide, Louisiana.</b> Project manager, chief editor and committee chairman to update and further develop the BIM (including off-system directives), Bridge Load Rating Manual and Coding and Field Guide. The redevelopment resulted from recent NBIS changes in the Code of Federal Regulations (CFR) and implementation of SNBI. The manual will be fully compliant with the FHWA SNBI Program Metrics in accordance with published timeline, and will be uniquely ordered in a systemic fashion with an appendix to store all vital updated forms for LaDOTD's bridge inspection program. Currently following delivery, acceptance, publishing and BIM training to all Districts on the new document.
09/13-Ongoing	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Project director and team leader for the third cycle, and project manager and team leader for two earlier cycles of contracts where 1,375 underwater NBIS bridge inspections were performed. In-depth underwater inspections were performed on 75 signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections were augmented with NDE acoustic imaging technology to consistently monitor streambed changes and structural deficiencies over subsequent inspection cycles. Acoustic hydrographic surveying methods were performed using the HydroLite-TM, Kongsberg Mesotech MS 1000 and Norbit Winghead i77 units deployed from a vessel. QINSy, Qimera, Applanix POSPac, MMS systems and MatLab were used for accurate, repeatable post processing and evaluation. Assisted LaDOTD with several emergency response requests within hours to days of request, utilizing local team members. Chief editor of LaDOTD BIM released in 2020.
07/22-01/23	<b>United States Army Corps of Engineers (USACE), Bridge Inspections, Leesville, Louisiana.</b> Project manager and QC field engineer leader for inspection of 63 FHWA reportable structures in Fort Polk as part of a joint venture. Structure types included multi-beam reinforced concrete bridges, reinforced concrete pipe (RCP) and box culverts, corrugated metal arch bridges and corrugated metal pipe (CMP) culverts. Water levels at four structures required an underwater inspection which were completed by Moffatt & Nichol's ADC and EM385 compliant dive team. Inspection scheduling required close coordination with Range Control and Department of Public Works to avoid impacting installation's daily activities. Performed final QC report reviews.
06/21-Ongoing	<b>USACE, Bridge and Waterfront Inspections, Worldwide.</b> Project manager for the five-year retainer contract held by the joint venture to perform NBIS bridge inspections on all types of bridges at US Army installations worldwide. Waterfront facilities will be assessed at specific sites, generally outside of the continental US. Bridge and waterfront load ratings are expected to be large tasks under this contract. All inspections will incorporate some form of NDT for detailed data analysis.
08/14-09/16	<b>MDOT, Underwater Bridge Inspections, Statewide, Mississippi.</b> Assistant project manager and team leader for the three-year retainer contract for Level I, II and III underwater inspections of 72 bridges in Districts 1 and 2 in accordance with FHWA BIRM, AASHTO MBE, current NBIS requirements and the MDOT PONTIS Inspection Manual for bridges. Reviewed/evaluated critical structural conditions and communicated necessary actions of remedy. Responded within 24 hours to an emergency underwater bridge inspection request. Acoustic imaging techniques were utilized to identify structural deficiencies and determine the limits of scour.



## 16. Staff Experience

Firm employed by:



Name	Benjamin Goodner, PE		Years of relevant experience with this employer	17
Title	Bridge Department Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• FHWA-NHI-130053 Bridge Inspector Refresher Training</li> <li>• FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> </ul>		
Active registration number / state / expiration date		PE: #38208 / LA / 03-31-2026		
Year registered	2013	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS Inspection; Design Services and Construction Support		
Ben's experience is in bridge, floodwall, roadway and drainage design, analysis and inspection. He led the inspection of the 7-mile LA 1 Phase 1 Bridge between Leesville and Port Fourchon.				
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	<b>LaDOTD, Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Replacement Program, East Baton Rouge Parish, Louisiana.</b> Program manager on the \$38.5-million program replacing poor condition off-system bridges throughout the parish over the course of multiple years. The program management encompassed all preliminary and final design tasks including environmental, hydraulics, surveying, right-of-way (ROW), roadway, traffic control and structural. Managed the internal team along with the contracting and design tasks for multiple subconsultants.			
04/13-Ongoing	<b>LaDOTD, LA 1 Leesville to Golden Meadow (Phase 2), Leesville, Louisiana.</b> Lead engineer responsible for developing the design and plans for the 9-mile stretch of bridge and a 300-foot concrete T-wall. Responsibilities included preliminary superstructure design of launching girders (LG), deck design, substructure design, preliminary and final plan development, checking plans and design calculations, T-wall site layout and PS&E development. Performed field investigations and developed detailed plans conforming to LaDOTD design guidelines and standards. Coordinated the proposed roadway and drainage design features to meet the LaDOTD's minimum design guidelines, Road Design Manual, Engineering Directives and Standards Manual (EDSM) publications and to conform with the Hydraulics Manual. Roadway design included accommodations for pedestrians and bicyclists per the LaDOTD's complete streets policy. The \$450-million project will provide a new two-lane bridge from Leesville to Golden Meadow that includes an intersecting T-intersection bridge near Golden Meadow. The T-intersection has a stem that consist of a two-lane, two-way urban arterial roadway that connects existing LA 1 to the new LA 1/LA 3235 bridge.			
07/18-02/19	<b>LaDOTD, US 90 over LDRR and LA 329, Iberia Parish, Louisiana.</b> Design engineer who performed condition assessment and developed design and plans for ABC of the approach slabs and backwalls. Key member in the team tasked with inspecting, developing plans, quantities and cost estimates.			
11/17-12/17	<b>LaDOTD, LA 23 Judge Perez Bridge Inspection, Belle Chasse, Louisiana.</b> Team leader on the inspection of this movable bridge. Identified and documented deficiencies, and helped develop inspection reports to identify potential repairs.			
06/17-09/17	<b>LaDOTD, US 90 Atchafalaya Mississippi River Bridge NBIS Inspection, Morgan City, Louisiana.</b> Lead engineer responsible for developing rehabilitation plans based on the inspection report. Repair items consisted of lower chord splice plate repairs, connection angle and plate retrofits and replacements, replacing missing or severely corroded bolts and rivets, retro fit of a new safety cable system and gusset plate stiffening.			

**Benjamin Goodner, PE**

02/17-09/17	<b>LaDOTD, US 90 and I-10 Overpass Interim Repairs, Westlake, Louisiana.</b> Lead engineer who inspected, rated existing structure and developed repair plans.
01/17-08/17	<b>MDOT, US 84 Mississippi River Westbound Bridge Painting and Pin and Link Replacement, Natchez, Mississippi.</b> Responsible for bridge inspection and assisted with traffic control for routine inspections of the two steel superstructure through-truss bridges spanning over the Mississippi River. Assisted with plan development on this rehabilitation project and assisted the contractor in inspecting and identifying areas of concern.
02/17-06/17	<b>LaDOTD, I-310 Luling Mississippi River Bridge NBIS In-Depth Inspection, Luling, Louisiana.</b> Team leader responsible for identifying and documenting deficiencies, and developing inspection reports. HNTB used rope access to inspect the outside face of the tower, friction dampers at the tower face and length of the cables. HNTB inspectors worked with experienced cable-stayed bridge designers. By doing so, the inspection team was able to focus on deficiencies that could affect the long-term performance of the bridge and advise owners on what corrective actions might be needed.
12/11-06/17	<b>LaDOTD, I-20 Bossier City Bridge Inspection and Design, Bossier City, Louisiana.</b> Inspector for five bridges along I-20. Responsibilities included analyzing the structures and diagnosing the deficiencies. Key member in the team that designed new bearings for each bridge, developed plans for the accelerated replacement of the backwalls and addressed other deficiencies after the condition assessment and analysis.
11/16-08/17	<b>LaDOTD, Jackson Street Bridge Rating and Inspection, Alexandria, Louisiana.</b> Team leader responsible for the inspection of the movable truss. Rated the bridge for the existing condition.
10/16-12/17	<b>LaDOTD, LA 1 Trust Indentured Bridge Inspection, Leesville, Louisiana.</b> Team leader on the inspection of the 9-mile bridge from Leesville to Port Fourchon. Responsible for identifying and documenting deficiencies and developing inspection reports.
05/16-12/16	<b>LaDOTD, I-10 Baton Rouge Mississippi River Bridge Inspection, Baton Rouge, Louisiana.</b> Team leader on the inspection of the Mississippi River Truss Bridge. Responsible for identifying and documenting deficiencies and developing inspection reports.
03/16-06/16	<b>LaDOTD, I-10 Calcasieu River Bridge In-Depth Bridge Inspection, Lake Charles, Louisiana.</b> Team leader responsible for identifying and documenting deficiencies and developing inspection reports. Developed and reported summarizing repair recommendations and prioritization based on need and cost.
10/14-10/15	<b>Port of New Orleans, Florida Avenue Bridge Pinion Bearing Replacement, New Orleans, Louisiana.</b> Lead engineer responsible for identifying deficiencies during inspection. Other responsibilities included reviewing shop drawings on the movable truss bridge.
03/12-06/13	<b>LaDOTD, I-10/I-110 Epoxy Bridge Deck Overlay, Louisiana.</b> Lead engineer who coordinated and inspected the bridge deck top and bottom for approximately 4 miles. Developed final plans and sequencing for joint replacement and application of an epoxy urethane deck overlay.

## 16. Staff Experience

Firm employed by:

**HNTB**

Name	Nicholas Ryan Hart, PE		Years of relevant experience with this employer	10
Title	Bridge Project Engineer		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		MS / 2016 / Civil Engineering BS / 2013 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers • SPRAT Level 1 Technician		
Active registration number / state / expiration date		PE: #43150 / LA / 03-31-2025		
Year registered	2018	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS Inspection; Design Services and Construction Support <b>MPR 5</b>		
Nicholas is located in HNTB's Baton Rouge office and has experience in bridge analysis and design, plan development, plan review and field inspection. His responsibilities have included inspections of various types of superstructures and substructures, design of structures other than traditional bridges, plan development and QC review. He has experience with AASHTO LRFD bridge design specifications, AASHTO Highway Safety Manual, AASHTO Policy on Geometric Design of Highways and Streets, MicroStation, AutoCAD and Mathcad.				
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/22-Ongoing	<b>South Carolina Department of Transportation (SCDOT), Routine Inspection of Bridges, District 6, South Carolina.</b> Team leader who coordinated and conducted routine bridge inspections throughout various counties. Structures varied between steel girders, prestressed concrete girders, reinforced concrete beams, reinforced concrete slab spans, prestressed concrete deck slabs and corrugated metal culvert and was charged with updating the element level inspection report.			
09/23-11/23	<b>North Carolina Department of Transportation (NCDOT), Wilson Road over French Broad River and Wilson Road over Williamson Creek, Western Region, North Carolina.</b> Bridge engineer who designed and performed QC on substructure design on both bridges. Reinforced concrete end bents for both projects were integral and supported on steel piles. Both of the reinforced concrete interior bents were supported on drilled shafts. Responsible for QC of construction elevations for both bridges.			
09/23-11/23	<b>NCDOT, NC 96 over I-95 and NC 96 over CSX, Johnson County, North Carolina.</b> Bridge engineer who designed and performed QC on substructure design on both bridges. Reinforced concrete end bents for both projects were integral and supported on steel piles. One of the reinforced concrete interior bents was supported on drilled shafts and the other was on a spread footing supported by steel piles. Responsible for QC of construction elevations for both bridges.			
02/23-04/23	<b>LaDOTD, US 190 Baton Rouge Mississippi River Bridge Routine Inspection, East Baton Rouge, Louisiana.</b> Bridge engineer who assisted in the 2023 routine inspection of the through-truss main span. Utilized SPRAT training on the US 190 Mississippi River Bridge to access and inspect various superstructure components of the through truss and was charged with updating the element level inspection report.			
12/22-02/23	<b>LaDOTD, LA 327 over Bayou Fountain, East Baton Rouge, Louisiana.</b> Bridge engineer who coordinated and completed the design, detailing, plan production and QC for a multi-span reinforced concrete slab span bridge replacement.			



**Nicholas Ryan Hart, PE**

10/22-10/22	<b>Kansas City Southern (KCS), Railroad Bridge Inspections, Beaumont, Texas.</b> Bridge engineer tasked with inspecting a four-span steel girder bridge and providing rehabilitation guidance for the contractor on-site.
09/22-12/22	<b>MDOT, US 80 over KCS Railroad, Rankin County, Mississippi.</b> Bridge engineer who coordinated and completed the design, detailing, plan production, and QC for a two-span reinforced concrete box beam bridge on reinforced concrete substructure. This design was special because it required using the standard Texas Department of Transportation (TxDOT) box beam and modifying it to meet MDOT span length requirements.
04/22-09/22	<b>LaDOTD, LA 10 John James Audubon Mississippi River Bridge, I-10 Baton Rouge Mississippi River Bridge and US 90 Baton Rouge Mississippi River Bridge Inspections, Statewide, Louisiana.</b> Bridge engineer who assisted in the 2020 routine inspections of these structures. One of these is a through-truss main span with deck truss approach spans and one is a cable-stayed superstructure. Utilized SPRAT training on the I-10 Baton Rouge Mississippi River Bridge (through-truss) inspection to access and inspect various superstructure components of the through-truss and deck truss, and updated the element level inspection report. Inspected the interior of the towers and the superstructure on the LA 10 John James Audubon Mississippi River Bridge (cable-stayed) and utilized SPRAT training to inspect the exterior of the towers, upper and lower cable anchorages and the cables.
02/22-07/22	<b>LaDOTD, I-10 Calcasieu River Bridge Repairs, Calcasieu Parish, Louisiana.</b> Bridge engineer who completed plans for the repair and replacement of existing bearings and stringer connection to floorbeams. Responsible for the coordination, design, detail and plan production for substructure modifications which required bracing, removal and installation of new substructure for two separate locations. Existing plans were used to determine the location and size of the members to be repaired and replaced.
02/22-02/22	<b>KCS, Railroad Bridge Inspections, Statewide, Mississippi.</b> Team leader, rope access technician and bridge engineer tasked with inspecting all members of the truss bridge including stringers, floorbeams, top chord, bottom chord, gusset plates and sway bracing.
11/21-12/21	<b>LaDOTD, I-110 Rehabilitation (North Street to Plank Road), East Baton Rouge, Louisiana.</b> Bridge engineer who completed plans for the repair and replacement of backwalls, approach slabs, and median barrier along a 1.5-mile corridor of I-110. Existing plans were used to determine the location and size of the structures to be repaired and replaced.
05/21-10/21	<b>LaDOTD, LA 1 Leeville to Golden Meadow (Phase 2), Lafourche Parish, Louisiana.</b> Bridge engineer who completed superstructure designs and QC reviews on substructure and superstructure plans to ensure accordance with the design intent.
06/21-06/21	<b>ArDOT, Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas and Memphis, Tennessee.</b> Bridge engineer who completed routine and fracture critical inspection of the tied arch bridge. Utilized SPRAT training and UB-40 snooper truck to access and inspect the tie girders and floor beams.
03/21-05/21	<b>Brightline, Orlando to Disney, Coral Gables, Florida.</b> Bridge engineer who completed various designs and QC reviews for three different rail bridges. Designs consisted of concrete deck with ballast, steel girders, steel straddle beam substructures, concrete columns and end bents. QC reviews were conducted on superstructure designs and substructure designs.
12/20-05/21	<b>LaDOTD, I-20 Rehabilitation (Pines Road to I-220), Caddo and Bossier Parish, Louisiana.</b> Bridge engineer who completed plans for the repair and replacement of backwalls, approach slabs, and median barrier along a 3-mile corridor of I-20. Existing plans were used to determine the location and size of the structures to be repaired and replaced.
09/20-01/21	<b>LaDOTD, I-49/Union Pacific Railroad (UPRR) Overpass Repair, Rapides Parish, Louisiana.</b> Bridge engineer who completed quantity calculations and QC reviews of the superstructure plans to ensure accordance with the design intent.

## 16. Staff Experience

Firm employed by:

**HNTB**

Name	Marc Alexander Hoffmann, PE		Years of relevant experience with this employer	6
Title	Project Manager		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		MS / 2018 / Civil Engineering BS / 2015 / Civil Engineering Additional Training/Certifications: • FHWA-NHI-130053 Bridge Inspection Refresher Training • FHWA-NHI-130055 Safety Inspection of In-Service Bridges • SPRAT Level 1 Technician		
Active registration number / state / expiration date		PE: #44342 / LA / 09-30-2024		
Year registered	2020	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS Inspection; Design Services and Construction Support; Load Rating/Load Capacity Analysis <b>MPR 4</b>		
Marc serves as a bridge engineer in HNTB's Baton Rouge office. He brings 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).			
05/14-Ongoing	<b>LaDOTD, I-20 Ouachita River Bridge, Ouachita Parish, Louisiana.</b> Project engineer who is providing bridge rehabilitation for 16 connected bridge structures. Performing a damage assessment inspection and developing plans for this project work, which includes cleaning and painting of steel girders, structural concrete repairs, girder bearing replacement, finger joint replacement, joint seal installation, barrier rail modifications, epoxy deck overlay and guardrail installation.			
06/20-08/20; 06/22-08/22; 06/24-Ongoing	<b>LaDOTD, I-10 Baton Rouge Mississippi River Bridge Inspection, Baton Rouge, Louisiana.</b> Team leader and rope access technician, which consisted of providing an NBIS in-depth inspection of the I-10 bridge over the Mississippi River. Tasked with inspecting the deck, top chord, top chord lateral bracings, bottom chord, bottom chord gusset plates and floorbeams of the main truss span via rope access techniques. In order to avoid lane closures, the entire bridge was inspected via rope access techniques. 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 bridge.			
02/21-04/21; 02/23-04/23	<b>LaDOTD, I-310 Luling Mississippi River Bridge Inspection, Luling, Louisiana.</b> Team leader and rope access technician, which consisted of providing an NBIS in-depth inspection of the I-310 bridge over the Mississippi River. Tasked with inspecting the cables of the cable-stayed bridge via rope access techniques. Inspected all towers and also the cable anchorages into the towers. Took measurements of cracks/deficiencies, recorded observations, organized and uploaded written field observations to a central server and assisted in developing the inspection report.			



**Marc Alexander Hoffmann, PE**

08/19-05/20	<b>LaDOTD, Load Rating of 27 Complex Bridges, Statewide, Louisiana.</b> Team leader and rope access technician, which consisted of analyzing 27 complex on-system bridges with the goal of providing LaDOTD an overall assessment of which bridges would be candidates for widening. The bridges analyzed consisted of haunched reinforced concrete girder bridges, prestressed concrete girder bridges, steel I-beam bridges and curved steel I-beam bridges. Used computer-aided software (AASHTOWare Bridge Rating and Bentley RC Pier) to calculate superstructure girder capacities and substructure bent cap capacities for a portion of the bridges and develop summary reports. Performed QC of analysis by younger engineers to ensure compliance with AASHTO codes and ensured the results and evaluation reports accurately reflected the condition of the bridge.
06/16-02/17	<b>LaDOTD, Inspection and Load Rating of 3 Complex Truss Bridges, Statewide, Louisiana*.</b> Inspector and technical engineer who performed the inspections of the gusset plates for each of the three truss bridges with colleagues. This project consisted of performing load rating analysis of three major truss bridges with the goal of providing LaDOTD with an overall assessment of the current condition of each bridge. Took measurements of cracks/deficiencies, recorded observations, organized and uploaded written field observations to a central server and developed inspection reports for each bridge. Load rating analysis of the three truss bridges was performed after the inspections. For the load rating, computer-aided software (AASHTOWare Bridge Rating) was used to calculate the capacity of each truss member as well as calculate the capacity of each gusset plate for a variety of different limit states (gross section yielding, shear, compression, block shear rupture). Computer-aided software was also used to calculate controlling live load locations to find maximum axial force values for all the truss members. Maximum values were used to calculate rating factors for each vehicle for each truss member for each bridge. Once rating factors were calculated for each vehicle, summary reports were written to communicate the overall condition and assessment of each bridge and submitted to the LaDOTD.
01/15-06/16	<b>LaDOTD, Load Rating of 125 Bridges, Statewide, Louisiana*.</b> Technical engineer who used computer-aided software (AASHTOWare Bridge Rating and Bentley RC Pier) to calculate superstructure girder capacities and substructure bent cap capacities for a portion of the bridges and develop summary reports for each bridge. This project consisted of analyzing 125 on-system bridges with the goal of providing the LaDOTD with an overall assessment of the current condition of each bridge. The bridges analyzed consisted of reinforced concrete slab bridges, reinforced concrete beam bridges, prestressed concrete beam bridges and steel I-beam bridges. Computer-aided software was also used to calculate controlling live load locations to find maximum moment and shear values for superstructure and substructure elements. Maximum moment and shear values were used to calculate rating factors for each vehicle for each bridge.

\*Denotes work completed at a previous firm.

## 16. Staff Experience

Firm employed by:



Name	Lionel Waters, PE		Years of relevant experience with this employer	8
Title	Project Engineer		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS / 2016 / Civil Engineering AS / 2014 / Civil Engineering Additional Training/Certifications: • FHWA-NHI-130053 Bridge Inspection Refresher Training • FHWA-NHI-130055 Safety Inspection of In-Service Bridges • FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges • SPRAT Level 1 Technician			
Active registration number / state / expiration date	PE: #25364 / WV / 12-31-2024; #65673 / VA / 11-30-2024			
Year registered	WV: 2022; VA: 2022		Discipline	Civil
Contract role(s) / brief description of responsibilities	NBIS Inspection <b>MPR 4</b>			
Lionel is a project engineer in the structures group with over seven years of experience in highway, bridge inspection and design. His responsibilities include roadway and bridge inspection or documentation, structure design or drafting and retrofit design or drafting. He has led NBIS inspections on over 165 bridges including deck trusses, through trusses, tied arches, multi-girder or beam bridges and rehab inspections on over 21 bridges including both concrete and steel beam superstructures.				
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/23-Ongoing	<b>West Virginia Department of Transportation-Division of Highways (WVDOT-DOH), Kaufman Memorial Bridge In-Depth Inspection, Charleston, West Virginia.</b> Engineer who participated in the structures in-depth inspection. Performs hands-on inspection of all components via manlift, snooper and bucket truck. Duties include taking section loss measurements, sounding concrete substructures and decks, monitoring construction defects and providing repair recommendations.			
09/23-Ongoing	<b>WVDOT-DOH, Basil Memorial Bridge In-Depth Inspection, Charleston, West Virginia.</b> Team leader for the in-depth inspection of this twin-girder bridge. Performs hands-on inspections of all components, including pin-and-hanger assemblies and cross-box girders via manlift, snooper and bucket truck. Duties include taking section loss measurements, sounding concrete substructures and deck, monitoring construction defects and providing repair recommendations.			
09/21-04/22	<b>District Department of Transportation (DDOT), Frederick Douglass Memorial Bridge Inventory and In-Depth Inspection, Washington, DC.</b> Engineer who participated in the original inventory or in-depth inspection of the structure. Performed hands-on inspections of all components within this tied arch bridge via manlift, snooper and climbing. Duties included taking inventory of structural components, detailing construction defects, recommending repairs and confirming safety of bridge before opening to traveling public.			
04/20-Ongoing	<b>WVDOT-DOH, Vietnam Veterans Memorial Bridge, Ohio County, West Virginia.</b> Team leader and engineer participating in the in-depth routine inspections conducted on all elements within this tied arch bridge. Performed hands-on inspection of all components using a snooper, manlift and via climbing. Duties included dye pen testing fatigue cracks, deck sounding, element level inspection and NBIS inspection.			

## Lionel Waters, PE

08/19-Ongoing	<b>WVDOT-DOH, Nick Joe Rahall Bridge Inspection, Cabell County, West Virginia.</b> Engineer participating in the in-depth routine inspections conducted on all elements within this through-truss bridge. Performs visual inspection of all components using a snoopers and manlift. Duties also included deck sounding and sketching, pier sounding and sketching, element level inspection and NBIS inspection.
10/18-09/23	<b>WVDOT-DOH, Arch A. Moore Bridge Inspection, Marshall County, West Virginia.</b> Engineer who participated in the in-depth routine inspections conducted on all elements within this tied arch bridge. Performed visual inspection of all components using a snoopers, manlift and climbing. Duties included element level inspection and other tasks required to fulfill NBIS requirements.
05/17-05/18	<b>WVDOT-DOH, SFC Terrance Gentry Memorial Bridge Inspection, Logan County, West Virginia.</b> Engineer who participated in the routine inspections conducted on all elements within this curved-girder bridge. Performed visual inspection of all components and measured girder distortion using a snoopers and manlift.
04/17-04/18	<b>WVDOT-DOH, Dunbar Toll Bridge Inspection, Kanawha County, West Virginia.</b> Engineer who participated in the inspections conducted during night closure. Performed visual inspections of the floor system of this through-truss bridge using a snoopers.
06/17-06/22	<b>WVDOT-DOH, Phil G. McDonald Bridge Inspection, Raleigh County, West Virginia.</b> Team leader and engineer who participated in the in-depth routine inspections conducted on all elements within this deck-truss bridge. Performed hands-on inspections of all components using a snoopers and sky climbing basket.
05/17-04/21	<b>WVDOT-DOH, Blennerhassett Island Bridge Inspection, Wood County, West Virginia.</b> Team leader and engineer who participated in routine inspections conducted on this tied arch bridge. Performed visual inspection of all components using a snoopers, manlift and climbing. Duties included element level inspection and other tasks required to fulfill NBIS requirements.
09/16-Ongoing	<b>WVDOT-DOH, Carroll B. Lilly Bridge Inspection, Monongalia County, West Virginia.</b> Team leader and engineer participating in the in-depth routine inspections conducted on this structure. Performs numerous dye pen tests in the approach spans and visual inspection of all components of this deck truss bridge using a snoopers and climbing following NBIS requirements.
08/16-09/22	<b>WVDOT-DOV, Parkersburg Memorial Bridge Inspection, Parkersburg, West Virginia.</b> Team leader and engineer who participated in the in-depth routine inspections conducted on all elements of the structure. Performed visual inspection of all components of this through-truss bridge using a snoopers and manlift. Duties included element level inspection, section loss measurements and other tasks required to fulfill NBIS requirements.
09/16-12/19	<b>WVDOT-DOV, Korean War Veterans Memorial Bridge Inspection, Wetzel County, West Virginia.</b> Team leader and engineer who participated in routine inspections conducted on all elements of the structure. Performed visual and element level inspections of all components of this through-truss bridge using a snoopers, manlift and climbing to fulfill NBIS requirements.
07/16-Ongoing	<b>West Virginia Parkways Authority (WVPA), Bluestone Bridge Inspections, Camp Creek, West Virginia.</b> Team leader and engineer for in-depth routine inspections on both northbound and southbound structures. Duties include visual inspections of all members of these two deck-truss bridges from snoopers, skyclimber basket and climbing, section loss measurements on FCMS, element level inspection and other tasks to fulfill NBIS requirements.
11/16-Ongoing	<b>WVPA, Yeager Bridge Inspections, Charleston, West Virginia.</b> Team leader and engineer of the in-depth routine inspections for both northbound and southbound structures. Duties included visual inspection of all members of these two through-truss bridges from snoopers, manlift, bucket truck and climbing, section loss measurements on FCMS, element level inspection and other tasks to fulfill NBIS requirements.

## 16. Staff Experience

Firm employed by:

**HNTB**

Name	<b>Kaleb Hawk, PE</b>	Years of relevant experience with this employer	10
Title	Project Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	MS / 2013 / Civil Engineering BS / 2012 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • FHWA-NHI-130053 Bridge Inspection Refresher Training • FHWA-NHI-130055 Safety Inspection of In-Service Bridges • FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges • Industrial Rope Access Trade Association (IRATA) Level I Rope Access Technician • SPRAT Level I Rope Access Technician		
Active registration number / state / expiration date	PE: #24549 / IA / 12-31-2025; #25686 / KS / 04-30-2026; #137610 / TX / 12-31-2024; # 2024007443/ MO / 12-31-2024		
Year registered	IA: 2018; KS: 2018; TX: 2020; MO: 2024	Discipline	Civil
Contract role(s) / brief description of responsibilities	NBIS Inspection		
Kaleb is a certified routine and fracture critical bridge inspection team leader and has performed over 1,000 bridge inspections for various owners. His work mainly involves in-service bridge inspections of both highway and railroad structures. He also has experience in structural analysis, load rating, design and plan development for new bridge construction and rehabilitation for complex bridges.			
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).		
06/15-Ongoing	<b>Kansas Department of Transportation (KDOT), Local Bridge Ratings, Statewide, Kansas.</b> Project manager responsible for data collection for a select group of bridges. Performed inspections, recorded field measurements and complete bridge ratings using AASHTOWare. Each year approximately 250 bridges are inspected and load rated.		
07/16-12/23	<b>Iowa Department of Transportation (Iowa DOT), Bridge Inspections, Statewide, Iowa.</b> Team leader and inspector for in-depth, NSTM inspections for I-129, a built up plate girder in Sioux City; US 30, a built up plate girder in Harrison County; US 77, a tied arch in Sioux City; US 61, a tied arch bridge in Dubuque; IA 9, a cantilevered and suspended through truss in Lansing; and US 34, a cable-stayed bridge in Burlington.		
07/18-12/23	<b>City of Omaha, Bob Kerrey Pedestrian Bridge over Missouri River, Omaha, Nebraska.</b> Project manager, team leader and rope access technician for special inspection of pylon cable-stayed anchorages and bridge elements using rope access.		
05/21-05/23	<b>ArDOT, Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas and Memphis, Tennessee.</b> Team leader who led the inspection team in charge of inspecting the main span arch floor system for this 900-foot, tied-trussed arch bridge unit over the Mississippi River. HNTB evaluated fracture in a section of the fracture critical tie girder and provided an assessment to ArDOT. The investigation concurred with the immediate closure of the bridge. 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.		



**Kaleb Hawk, PE**

06/20-07/20	<b>LaDOTD, I-10 Baton Rouge Mississippi River Bridge NBIS In-Depth Inspection, Baton Rouge, Louisiana.</b> Team leader and rope access technician for the routine inspection of the 4,550-foot-long bridge carrying six lanes. Led the inspection team in charge of inspection approach deck truss and main span floor system. The inspection required using limited lane closures to limit traffic disruptions. To achieve limited closures, SPRAT rope access techniques were utilized to inspect the different superstructure elements.
06/20-07/20	<b>LaDOTD, US 90 Mississippi River Bridge Pin and Eyebars Inspection and Ultrasonic Testing, New Orleans, Louisiana.</b> Inspector performing fracture critical visual inspections of upper chord eyebars for the 3,030-foot-long continuous truss. The inspection included overseeing the ultrasonic testing of upper node pins. SPRAT rope access techniques were utilized to achieve the necessary access to pins and eyebars.

## 16. Staff Experience

Firm employed by: **HNTB**

Name	Loren "LJ" Dickens, PE		Years of relevant experience with this employer	14
Title	Project Manager		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		MS / 2008 / Civil Engineering BS / 2006 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>NHI/FHWA Certified Team Leader</li> <li>FHWA-NHI-130053 Bridge Inspection Refresher Training</li> <li>FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> <li>FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges</li> <li>FHWA-NHI-135046 Stream Stability and Scour at Highway Bridges</li> <li>FHWA-NHI-130087 Inspection and Maintenance of Ancillary Highway Structures</li> <li>FHWA-NHI-130092 Fundamentals of LRFR and Applications of LRFR for Bridge Superstructures</li> <li>SPRAT Level 1 Rope Access Technician</li> <li>American Railway Engineering and Maintenance-of-Way Association (AREMA) Bridge Inspection and Streambed Scour Seminar</li> <li>Occupational Safety and Health Administration (OSHA) 10-Hour Construction Safety Course</li> </ul>		
Active registration number / state / expiration date		PE: #51676 / CO / 10-31-2025; #26986 / IA / 12-31-2024; #22032 / KS / 04-30-2026; #2019032111 / MO / 12-31-2025; #E-15109 / NE / 12-31-2025; #27840 / OK / 11-30-2025; #119580 / TX / 12-31-2024; #20410 / AR / 12-31-2024		
Year registered	CO: 2016; IA: 2021; KS: 2011; MO: 2019; NE: 2014; OK: 2015; TX: 2015; AR: 2021	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS Inspection; Drone Pilots		
LJ is a project manager, certified routine and fracture critical bridge inspection team leader, SPRAT rope access technician and FAA-Part 107 pilot. He has performed over 1,900 bridge inspections for state, federal, local and private owners. This includes managing, leading and coordinating duties for over two dozen complex and long-span bridge inspections over major waterways. His experience also includes structural analysis, load rating, design and plan development for new bridge construction and rehabilitation.				
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).			
06/23-12/23	<b>Iowa DOT, Iowa Bridge Inspections, Burlington and Lansing, Iowa.</b> Project manager for routine and fracture critical inspections of Mississippi River crossings, US 34 in Burlington and IA 9 in Lansing. US 34 is a 2,265-foot-long bridge consisting of a two-span steel multi-girder approach unit, a three-span cable-stayed and steel multi-girder main river crossing, and a five-span PPC multi-beam approach unit. IA 9 is a 1,631-foot-long bridge, with a 1,127-foot-long through truss unit that includes three spans of continuous, cantilever truss with a suspended span in the center. The east approach spans consist of five simply supported, 90-foot-long deck trusses and one 46-foot-long multi-girder span. Snoopers and safe climbing techniques were utilized to inspect the bridge.			

## Loren "LJ" Dickens, PE

06/20 - 07/20	<b>LaDOTD, I-10 Baton Rouge Mississippi River Bridge NBIS In-Depth Inspection, Statewide, Louisiana.</b> Team leader and rope access technician who performed fracture critical visual inspections. The inspections included in-depth inspection of over 2,000 feet of deck trusses and 2,400 feet of continuous through truss. Rope access and safe climbing methods were utilized to access deck truss portions over water and the entirety of the through truss, including upper and lower chords, floorbeams, upper lateral bracing and sway frames. Ascent/descent and belaying maneuvers were utilized to safely achieve hands-on access to truss web members, sway frames and lateral bracing. A system of beam sliders anchored at stringers and horizontal ropes were utilized to access full length of floorbeams. The Green Bridge in New Orleans includes a 1,240-foot-long tied arch main span and carries LA 47 over the Mississippi River Gulf Outlet. The inspection included FCM inspection of members below roadway level in the main span and in the approach span deck trusses. Rope access techniques were utilized including horizontal-aided climbing to inspect floorbeams and ascent/descent maneuvers to access truss web members, lower chord and tie chord.
10/21-07/24	<b>KCS, Steel Bridge Inspections, Various Locations, Missouri, Oklahoma, Arkansas, Mississippi, Louisiana and Texas.</b> Task lead, inspection coordinator, team leader and rope access technician for in depth inspections of 33 KCS bridges including through truss, through plate girder, and deck plate girder spans. HNTB was requested to conduct in-depth inspections of their 15 orthotropic box girder bridges three years in a row. Coordinated access, protection permits and teams from Kansas City, Baton Rouge and Dallas to complete the inspections in varying states. The inspection scope included gathering sufficient data to develop plans for bridges without and to perform load ratings. Inspections utilized rope access without stopping train traffic in order to prevent costly delays. Additional inspection tasks included supplementing KCS inspection staff for approximately 230 bridges to serve in a mentor role and share bridge inspection best practices.
05/21-09/21	<b>ArDOT, Hernando De Soto Bridge (I-40) over the Mississippi River Emergency Inspection and NDT Evaluation, Memphis, Tennessee.</b> Inspection coordinator and head team leader for the emergency inspection of the I-40 Bridge main spans consisting of two 900-foot-long tied arches. After the bridge was shut down due to a critical finding of a fractured tie beam, HNTB was requested to perform an in-depth inspection of the tie beam and floor system. The inspection included a hands-on inspection of fracture critical components and routine inspection of remaining components at the level of the deck and below. All tie beam butt welds were also examined using two forms of NDT - eddy current and phased array ultrasonic testing (PAUT). Oversaw the inspection and NDT efforts, which included a team of 27 engineers, rope access technicians and NDT technicians to complete the inspection on an accelerated schedule.
06/15-Ongoing	<b>KDOT, Off-System Fracture Critical Inspections, Various Locations, Kansas.</b> Team leader and inspection coordinator for the inspection of 33 county- and city-owned off-system fracture critical bridges across the state of Kansas, including three Kansas River crossings near Kansas City, Kansas. Performed duties for counties including Wyandotte, Johnson, Douglas, Geary, Cloud, Neosho, Wabaunsee, Wilson and Chautauqua. Responsible for overseeing the on-time completion of the associated inspection reports and web-portal submittals. Several access methods were utilized, including rope access, climbing, ladders, boats, boomlifts and snooters. Bridge types included through trusses, pony trusses, deck trusses and two-girder.
06/12-11/15	<b>USACE, Short and Medium Bridge Inspections, Nationwide.</b> Team leader and inspector for the inspections of over 120 short and medium span bridges and culverts on bases at Fort Campbell, Kentucky; Fort Rucker, Alabama; Fort Riley, Kansas; Fort Leonard Wood, Missouri and Fort Benning, Georgia. Responsible for writing and/or checking inspection reports following inspections, adhering to the guidelines and forms prescribed by USACE. Inspections were completed for numerous bridge types and configurations. Bridge types included those with steel, concrete and timber superstructures. Inspection of the bridges/culverts included routine, in-depth and fracture critical. Additionally, Level 1 scour analyses were completed at water crossings.
09/16-01/18	<b>Colorado Department of Transportation, Statewide Off-System Bridge Inspections, Various Locations, Colorado*.</b> Project manager and inspection coordinator for the inspection, report generation and BrM data submission of over 850 locally-owned bridges throughout the central region of Colorado. Following Colorado DOT acceptance, final findings were presented to over 25 county and municipality owners including Denver, Jefferson, Clear Creek, Gilpin, Lincoln, Elbert and Summit counties. Additional task orders included load rating over 300 bridges and performing average daily traffic counts at over 1,000 bridge locations.

\*Denotes work completed at a previous firm.

## 16. Staff Experience

Firm employed by:

**HNTB**

Name	Zachary Reineke, PE	Years of relevant experience with this employer	3
Title	Engineer III	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	MS / 2021 / Civil Engineering BS / 2019 / Civil Engineering Additional Training/Certifications: • SPRAT Level 1 Rope Access Technician		
Active registration number / state / expiration date	PE: #058601 / NC / 12-31-2024		
Year registered	2024	Discipline	Structures
Contract role(s) / brief description of responsibilities	NBIS Inspection		
Zachary serves as a structural engineer in Raleigh, North Carolina. He brings experience in bridge analysis and design, plan development, plan review and field inspection. His responsibilities include the design of traditional bridges, and inspection of traditional, movable and complex bridges.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
11/22-06/24	<b>SCDOT, Routine Inspection of Bridges, District 6, South Carolina.</b> Bridge inspector that coordinated and conducted routine bridge inspections throughout various counties and updated the element level inspection report. Structures varied between movable through-truss swing spans, Steel girders, prestressed concrete girders, reinforced concrete beams, reinforced concrete slabs, prestressed concrete deck slabs and reinforced concrete culvert.		
04/24-04/24	<b>LaDOTD, LA 10 John James Audubon Mississippi River Bridge Routine Inspection, West Feliciana Parish, Louisiana.</b> Bridge engineer who assisted in the 2024 routine inspection of the John James Audubon Bridge (cable-stayed) inspection. Inspected the interior of the towers and the superstructure, and utilized SPRAT training to inspect the exterior of the towers, upper and lower cable anchorages and the cables.		
12/23-12/23	<b>LaDOTD, I-10 Calcasieu River Bridge Routine Inspection, Calcasieu Parish, Louisiana.</b> Bridge engineer who assisted in the 2023 routine inspection of the I-10 Calcasieu River Bridge (through-truss) inspection. Inspected the steel superstructure components and bearings.		



## 16. Staff Experience

Firm employed by:

**HNTB**

Name	Lars Jensen, EI	Years of relevant experience with this employer	3
Title	Engineer II	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2021 / Civil Engineering Additional Training/Certifications: • SPRAT Level 1 Technician		
Active registration number / state / expiration date	EI: #35384 / LA / 09-30-2024		
Year registered	2023	Discipline	Civil
Contract role(s) / brief description of responsibilities	NBIS Inspection		
Lars serves as an engineer in HNTB's Baton Rouge office. In his first year of experience, he became an SPRAT certified rope technician and utilized that training on two complex, in-depth bridge inspections. He has worked on multiple complex bridges over major river crossings in his time as an inspector.			
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).		
03/22-Ongoing	LaDOTD, LA 10 John James Audubon Mississippi River Bridge, New Roads, Louisiana. Inspector and rope access technician for the fracture critical inspection of a cable stayed bridge. Utilized rope access to do several cable drops and for inspection of the towers.		
06/22-Ongoing	LaDOTD, I-10 Baton Rouge Mississippi River Bridge, Baton Rouge, Louisiana. Inspector and rope access technician for the in-depth inspection of a steel high truss (cantilevered through truss) bridge. Utilized safe climbing and rope access to complete inspection and handled daily reports intended for LaDOTD.		
06/22-Ongoing	LaDOTD, GNO Cantilever Truss Bridge 1 over Mississippi River, New Orleans, Louisiana. Inspector and rope access technician for the in-depth inspection of a steel high truss (cantilevered through truss) bridge. Utilized safe climbing and rope access to complete inspection and handled daily reports intended for LaDOTD.		
06/22-Ongoing	LaDOTD, GNO Cantilever Truss Bridge 2 over Mississippi River, New Orleans, Louisiana. Inspector and rope access technician for the in-depth inspection of a steel high truss (cantilevered through truss) bridge. Utilized safe climbing and rope access to complete inspection and handled daily reports intended for LaDOTD.		
06/21-Ongoing	ArDOT, Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas and Memphis, Tennessee. Inspector and rope access technician for the in-depth, fracture critical emergency inspection of a tied arch bridge. The project included several types of NDT, paint removal and rope access.		
10/21 - 12/21	MDOT, US 84 Over Mississippi River, Natchez, Mississippi. Inspector for the in-depth, fracture critical inspection of a five-span cantilever truss bridge. Tasks included training and operation of the manlift and snoopers.		
09/21-10/21	Iowa DOT, US 30 Over Missouri River, Blair, Nebraska. Inspector for the in-depth, fracture critical inspection of a standard long span truss bridge. The project included the use of snoopers and catwalks.		
09/21-10/21	Iowa DOT, I-129 Over Missouri River, Sioux City, Iowa. Inspector for the in-depth, fracture critical inspection of a steel plate girder bridge using snoopers and catwalks.		

**Lars Jensen, EI**

09/21-11/21	<b>LaDOTD, LA 1 over Louisiana Delta, Leesville, Louisiana.</b> Inspector for the post-hurricane trust indenture inspection of an elevated slab span, prestressed girder and steel girder bridge. The work included walking over 7 miles of bridge deck and boat access to complete the inspection.
09/21-01/22	<b>LaDOTD, LA 47/Intracoastal Waterway Gulf Outlet (IWGO) "Green Bridge" over Mississippi River Gulf Outlet, New Orleans, Louisiana.</b> Inspector for the in-depth, fracture critical inspection of a steel high truss (cantilevered through truss) bridge, known as The Green Bridge. The work included cleaning and rehab of bridge.
11/21-01/22	<b>LaDOTD, I-10 Calcasieu River Bridge, Lake Charles, Louisiana.</b> Inspector and rope access technician for the in-depth inspection of a steel high truss (cantilevered through truss) bridge. Utilized safe climbing and rope access to complete the inspection.

## 16. Staff Experience

Firm employed by:



Name	Kaitlyn Kolbo, PE	Years of relevant experience with this employer	8
Title	Project Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2016 / Civil and Environmental Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • FHWA-NHI-130055 Safety Inspection of In-Service Bridges • SPRAT Level Technician		
Active registration number / state / expiration date	PE: #90680 / FL / 02-28-2025; #125336 / TN / 09-30-2025; #047661 / GA / 12-31-2024		
Year registered	FL: 2021; TN: 2021; GA: 2021	Discipline	N/A
Contract role(s) / brief description of responsibilities	NBIS Inspection		
Kaitlyn is a bridge design engineer in the structures department with bridge design and review experience. She has performed design tasks for highway bridges as well as highspeed rail, freight rail and passenger rail bridges. In addition to bridge work, Kaitlyn has performed design work on sign structures, mast arms, strain poles, cast-in-place (CIP) retaining walls, box culverts and sluice gate structures. She has also performed multiple complex bridge inspections utilizing rope access.			
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).		
07/24-07/24; 11/23-12/23	<b>LaDOTD, I-10 Calcasieu River Bridge NBIS In-Depth Inspection, Baton Rouge, Louisiana.</b> Inspector and rope access technician who provided NBIS in-depth inspection of the I-10 bridge in Baton Rouge. Elements inspection included, bottom chord, top chord, vertical chords, gussets at chord connection points, sway bracing and lateral bracing of the main truss span via rope access techniques. This project also included taking measurements of cracks/deficiencies, recording observations, organizing and uploading written field observations to a central server.		
02/23-03/23	<b>LaDOTD, US 190 Baton Rouge Mississippi River Bridge NBIS In-Depth Inspection, Baton Rouge, Louisiana.</b> Inspector and rope access technician who provided NBIS in-depth inspection. Elements inspected included, bottom chord, gussets at chord connection points, and floor beams of the main truss span via rope access techniques. The project included taking measurements of cracks/deficiencies, recording observations, organizing and uploading written field observations to a central server.		
09/22-09/22	<b>LaDOTD, GNO Cantilever Truss Bridge 1 over Mississippi River, New Orleans, Louisiana.</b> Inspector and rope access technician who provided NBIS in-depth inspection. Elements inspected included, bottom chord, top chord, vertical chords, gussets at chord connection points, sway bracing and lateral bracing of the main truss span via rope access techniques. The project included taking measurements of cracks/deficiencies, recording observations, organizing and uploading written field observations to a central server.		
06/21-07/21	<b>ArDOT, Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas and Memphis, Tennessee.</b> Bridge inspector for the emergency inspections of the back-to-back, 900-foot tied trussed arch bridge. Responsibilities included visual inspections of FCMs and data recording of NDT on all welds of the main girder. Performed data collection and developed a spread sheet to provide daily updates on progress and organize/provide critical findings to team lead.		

## 16. Staff Experience

Firm employed by:



Name	Matthew Stieglitz, PE		Years of relevant experience with this employer	5
Title	Engineer III		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 2019 / Civil Engineering BS / 2017 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers • IRATA Level 1 Rope Access Technician • SPRAT Level 1 Rope Access Technician		
Active registration number / state / expiration date		PE: #30301 / KS / 04-30-2025; #2022028968 / MO /12-31-2024		
Year registered	KS: 2023; MO: 2022		Discipline	N/A
Contract role(s) / brief description of responsibilities		NBIS Inspection		
Matthew serves as a bridge engineer with experience on in-service inspections of complex and routine bridges, as well as design of steel superstructures, prestressed concrete superstructures and reinforced concrete abutments and piers.				
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-Ongoing	<b>KDOT, South Lawrence Trafficway West, Lawrence, Kansas.</b> Bridge engineer responsible for bridge design of over 12 bridges. Tasks include prestressed concrete girder design, steel girder design, curved steel girder design, concrete abutment design and concrete pier design. Involved with setting the geometric layout of various bridges.			
07/24-07/24	<b>LaDOTD, I-10 Horace Wilkinson Mississippi River Bridge Inspection, Baton Rouge, Louisiana.</b> Bridge engineer for the visual in-service inspection of this bridge (fracture critical with cantilevered truss spans). It was inspected for defects using rope access techniques and compiled into a report.			
08/23-10/23	<b>Iowa DOT, Iowa Complex Bridge Inspections, Various Locations, Iowa.</b> Bridge engineer for the visual in-service inspection of the Black Hawk Bridge in Lansing (fracture critical with cantilevered truss spans) and the Great River Bridge in Burlington (cable-stayed). Both were inspected for defects using rope access techniques and compiled into a report.			
09/22-09/22	<b>LaDOTD, US 90 Crescent City Connection Bridge Inspection, New Orleans, Louisiana.</b> Bridge engineer involved with the visual in-service inspection of the Crescent City Connection Bridge carrying US 90 over the Mississippi River. The bridge is fracture critical and has cantilevered truss spans. It was inspected for defects, which were noted and compiled into a report for the client. The inspections involved rope access techniques and methods.			
02/22-11/22	<b>KCS, In-Service Bridge Inspections, Various Locations, Kansas.</b> Bridge engineer involved with the visual in-service inspection of numerous railroad bridges. Bridge types included large truss spans and deck plate girder spans. These had been in service for long periods of time and exhibited some significant defects. Defects were noted and compiled into a report for the client. The inspections involved rope access techniques and methods.			
10/19-01/21	<b>USACE, Kansas City Levees, Kansas City, Missouri and Kansas.</b> Structural engineer involved in the design of new floodwalls and analysis of proposed modifications to existing floodwalls to raise the flood protection structures. Floodwall analysis has involved the design and analysis of steel H-pile, concrete pile, and timber pile foundations. Reinforced concrete design was performed for footings and stems of the floodwalls. Designs with unique features were developed for closure structures near railroad tracks.			



## 16. Staff Experience

Firm employed by:

**HNTB**

Name	David Ball, EI	Years of relevant experience with this employer	2
Title	Engineer I	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2021 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>NHI/FHWA Certified Team Leader</li> <li>FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> <li>FHWA-NHI-130078 Bridge Inspection Techniques for NSTMs</li> <li>SPRAT Level 1 Technician</li> </ul>	
Active registration number / state / expiration date		EI: #10604 / WV / 07-01-2031	
Year registered	2023	Discipline	N/A
Contract role(s) / brief description of responsibilities		NBIS Inspection	
David is an engineer with two years of experience in bridge inspections. His responsibilities include the inspection and documentation of bridges, roadways and overhead signs. He has taken part in over 100 NBIS inspections including deck trusses, through trusses, tied arches and multi-girder/beam bridges.			
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, LA 10 John James Audubon Mississippi River Bridge Inspection, New Roads, Louisiana. Inspector and engineer participating in NBIS and element level inspections on all elements of the structure. Utilized rope access to inspect cable elements and worked with a team to complete the routine inspection of the structure.		
10/23-Ongoing	WVDOT-DOH, Kaufman Memorial Bridge In-Depth Inspection, Charleston, West Virginia. Engineer who performed hands-on inspection of all components via manlift, snooper and bucket truck. Duties included taking section loss measurements, sounding concrete substructures and deck, monitoring construction defects and recommending repairs.		
10/23-Ongoing	WVDOT-DOH, Basil Memorial Bridge In-Depth Inspection, Charleston, West Virginia. Team leader who performed hands-on inspection of all components via manlift, snooper and bucket truck. Duties included taking section loss measurements, sounding concrete substructures and deck, monitoring construction defects and recommending repairs.		
04/22-Ongoing	WVDOT-DOH, Vietnam Veterans Memorial Bridge, Ohio County, West Virginia. Engineer participating in in-depth, routine and special inspections conducted on all elements within this structure. Performed hands-on inspection of all components using a snooper, manlift and via climbing. Duties included dye pen testing fatigue cracks, deck sounding, element level inspection and NBIS inspection.		
09/22-Ongoing	WVDOT-DOH, Carroll B. Lilly Bridge Inspection Monongalia County, West Virginia. Engineer participating in in-depth, routine and special inspections conducted on this structure. This included performing numerous dye pen tests in the approach spans and performing visual inspection of all components using a snooper and climbing along with all other NBIS requirements.		
06/22-06/22	WVDOT-DOH, Phil G. McDonald Bridge Inspection, Raleigh County, West Virginia. Engineer participating in in-depth, routine and special inspections conducted on all elements within this structure. Performed hands-on inspection of all components using a snooper and skydiving basket.		

## 16. Staff Experience

Firm employed by:



Name	<b>Ricardo Martinez Jr.</b>	Years of relevant experience with this employer	1
Title	Engineer I	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2022 / Civil Engineering Additional Training/Certifications: • SPRAT Level 1 Technician		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	NBIS Inspection		
Ricardo is a bridge design engineer and bridge inspector. He has worked on prestressed concrete girder design, bridge substructure design and is SPRAT certified.			
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	<b>TxDOT, Fort Worth Bridge Preventative Maintenance Project, Fort Worth, Texas.</b> Performed site visits of over 170 repair locations to review the assigned defects, capture photos, record dimensions, investigate the root cause of the damage, and when appropriate address the cause not just the assigned defect. Thoroughly reviewed BRINSAPs, previous photo sites, and any other relevant information prior to site visit. Appropriately assigned repairs to defects found during site visit.		
10/23-Ongoing	<b>TxDOT, BUS 287 Condition Survey, Fort Worth, Texas.</b> Performed inspection of a historic bridge structure and worked with drone pilot to inspect inaccessible areas of bridge. Helped create condition survey and repair plans for bridge.		
02/24-05/24	<b>TxDOT, US 54 Patriot Freeway, El Paso, Texas.</b> Design engineer who designed prestressed concrete girders, concrete bent caps, concrete columns and prepared design drawings.		
07/24-07/24	<b>LaDOTD, I-10 Baton Rouge Mississippi River Bridge NBIS In-Depth Inspection, Baton Rouge, Louisiana.</b> Inspector and rope access technician for the in-depth inspection of a steel truss bridge who used rope access for inspection.		
01/23-01/24	<b>ArDOT, I-49 from Highway 22 to I-40, Crawford and Sebastian Counties, Arkansas.</b> Design engineer on this project, which includes 14.3 miles of I-49 from Highway 22 in Sebastian County to I-40/I-49 interchange in Crawford County. There is over 30,000 linear feet of bridge which includes 19 bridges with 78 units. Designed the prestressed concrete girders and decks for the concrete bridge spans, and prepared design drawings.		
03/23-03/23	<b>LaDOTD, US 190 Baton Rouge Mississippi River Bridge Inspection, Baton Rouge, Louisiana.</b> Inspector and rope access technician for the in-depth inspection of a steel truss bridge who used rope access for inspection.		

## 16. Staff Experience

Firm employed by:



Name	Aldon Mury		Years of relevant experience with this employer	1
Title	Engineer I		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2023 / Civil Engineering Additional Training/Certifications: • SPRAT Level 1 Technician		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		NBIS Inspection		
Aldon is a bridge engineer in HNTB's Baton Rouge office. His experience focuses on bridge design, load rating and inspection.				
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/24-07/24	LaDOTD, I-10 Baton Rouge Mississippi River Bridge NBIS In-Depth Inspection, Baton Rouge, Louisiana. Inspector for the routine inspection of the 4,550-foot-long bridge carrying six lanes. Elements inspected include top chord, bottom chord, gussets at both chord connections, floor beams, stringers and splice plates. To achieve limited closures, SPRAT rope access techniques were utilized to inspection the different superstructure elements.			
04/24-04/24	LaDOTD, LA 10 John James Audubon Mississippi River Bridge Fracture Critical Inspection, City, Louisiana. Inspector for the routine, fracture critical cable stay bridge. Elements inspected included, cables, cable anchors, concrete towers and deck and girders. Elements were inspected using various SPRAT rope access skills.			
11/23-12/23	LaDOTD, I-10 Calcasieu River Bridge NBIS In-Depth Inspection, Lake Charles, Louisiana. Inspector who provided NBIS in-depth inspection, including elements such as bottom chord, top chord, vertical chords, gussets at chord connection points, sway bracing and lateral bracing of the main truss span via rope access techniques. This project included taking measurements of cracks/deficiencies, recording observations, organizing and uploading written field observations to a central server.			

## 16. Staff Experience

Firm employed by:



Name	Charles Balzarini, PE, ADCI	Years of relevant experience with this employer	11
Title	NBIS Inspection Team Leader	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	BS / 2008 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• NHI/FHWA Certified Team Leader</li> <li>• FHWA-NHI-130053 Bridge Inspector Refresher Training</li> <li>• FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges</li> <li>• SPRAT Level 1 Rope Access Technician</li> <li>• ADCI Certified</li> </ul>		
Active registration number / state / expiration date	PE: #13854 / AK / 12-31-2025		
Year registered	2013	Discipline	Civil
Contract role(s) / brief description of responsibilities	NBIS Inspection; Underwater 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).		
06/22-Ongoing	<b>LaDOTD, IDIQ for Bridge Inspection Services, Louisiana.</b> Inspection team leader for in-depth inspection (fulfilling both routine and fracture critical inspections) of several large bridges. Level III inspections were completed in accordance with FHWA, BIRM, AASHTO MBE, AASHTO BEIM and the LaDOTD BIM. US 190 Baton Rouge Mississippi River Bridge utilized rope access techniques/methodology when being inspected to provide element-level inspection of approach spans.		
03/20-02/23	<b>LaDOTD, IDIQ for In-Depth Inspection of Complex Bridges, Statewide, Louisiana.</b> Inspection team leader for this five-year contract to perform in-depth bridge inspections on complex and movable bridges. Performed in-depth inspections (fulfilling both routine and fracture critical inspections) as a QA measure checking work completed by District personnel for Headquarters Bridge Inspection Office. This included cantilever trusses, cable-stayed bridges, movable swing span bridges and bascule bridges. Two cable-stayed bridges (LA 10 John James Audubon and I-310 Luling) were inspected with rope access techniques to examine 208 cables on the two bridges, their Gensui Dampers and anchorages. A supplemental inspection of US 90 GNO Cantilever Truss Bridges utilizing rope access techniques was performed. A fracture critical inspection of LA 47/IWGO "Green Bridge" (steel tied arch) in New Orleans utilizing rope access techniques was also performed.		
11/19-08/23	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana.</b> Inspection team leader for in-depth bridge inspections on complex and movable bridges. Performed complete in-depth inspections (fulfilling routine and fracture critical inspections) as a QA measure checking work completed by District personnel for Headquarters Bridge Inspection Office. This included cantilever truss, segmental concrete box girder, movable swing span, bascule, cable-stayed and bridges with timber elements. Movable bridges involving structural, mechanical and electrical were inspected. Provided QC of inspection report. Superstructure and substructure components of the I-20 Mississippi River Bridge was also inspected.		
06/21-Ongoing	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Structural engineer and inspection team leader under the third consecutive contract to provide NBIS underwater inspections to 843 bridges. This included in-depth underwater inspection on signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections were augmented with NDE acoustic imaging technology to consistently monitor streambed changes and structural deficiencies over subsequent inspection cycles. QINSy, Qimera, Applanix POSPac, MMS systems and MatLab were used for accurate/repeatable post processing/ evaluation. Responded to several emergency requests for inspection within hours to days utilizing local team members.		

**Charles Balzarini, PE, ADCI**

06/17-12/20	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Structural engineer and inspection team leader for the second and third cycles of five-year, open-end retainer contracts to perform underwater bridge inspections. Provided Level I, II and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD's engineering and maintenance directives. Bridge types included movable swing span, bascule, truss, timber stringer, cable-stayed, single and multi-span bridges up to 8 miles long. Assisted with preparation of NBIS inspection reports and with preparation of LaDOTD BIM released in 2020.
07/22-01/23	<b>USACE, Bridge Inspections, Leesville, Louisiana.</b> Structural engineer and inspection team leader for the inspection of 63 FHWA reportable structures in Fort Polk. Provided planning, previous report review, bridge inspections and report preparation for bridges and large culverts. Structure types included multi-beam reinforced concrete bridges, RCP and box culverts, corrugated metal arch bridges and CMP culverts. Water levels at four structures required an underwater inspection which were completed by Moffatt & Nichol's ADC and EM385 compliant dive team. Inspection scheduling required close coordination with Range Control and Department of Public Works to avoid impacting installation's daily activities. Performed final QC report reviews.



## 16. Staff Experience

Firm employed by:



Name	Matthew Balzarini, PE, ADCI	Years of relevant experience with this employer	11
Title	NBIS Inspection Team Leader	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	BS / 2011 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• NHI/FHWA Certified Team Leader</li> <li>• FHWA-NHI-130056 Safety Inspection of In-Services Bridges Professional Engineers</li> <li>• FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges</li> <li>• SPRAT Level 1 Rope Access Technician</li> <li>• ADCI Certified</li> </ul>		
Active registration number / state / expiration date	PE: #118893 / AK / 12-31-2025		
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities	NBIS Inspection; Underwater 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).		
06/22-Ongoing	<b>LaDOTD, IDIQ for Bridge Inspection Services, Louisiana.</b> Inspection team leader for in-depth inspection (fulfilling both routine and fracture critical inspections) of several large bridges. Level III inspections were completed in accordance with the FHWA BIRM, AASHTO MBE, AASHTO BEIM and the LaDOTD BIM. US 190 Baton Rouge Mississippi River Bridge utilized rope access techniques/methodology when being inspected to provide element-level inspection of approach spans. Providing an in-depth inspection on John James Audubon Mississippi River Bridge with a focus on the structure's towers and cable stays using rope access techniques to reach cables, dampers and anchorage.		
03/20-02/23	<b>LaDOTD, IDIQ for In-Depth Inspection of Complex Bridges, Statewide, Louisiana.</b> Inspection team leader for this five-year contract to perform in-depth bridge inspections on complex and movable bridges. Performed in-depth inspections (fulfilling both routine and fracture critical inspections) as a QA measure checking work completed by District personnel for Headquarters Bridge Inspection Office. Included cantilever trusses, cable-stayed bridges, movable swing span bridges and bascule bridges. Two cable-stayed bridges (LA 10 John James Audubon and I-310 Luling) were inspected with rope access techniques to examine 208 cables on the two bridges, their Gensui Dampers and anchorages. A supplemental inspection of US 90 GNO Cantilever Truss Bridges in New Orleans utilizing rope access techniques was performed. A fracture critical inspection of LA 47/IWGO "Green Bridge" (steel tied arch) in New Orleans utilizing rope access techniques was also performed.		
11/19-08/23	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana.</b> Inspection team leader for in-depth bridge inspections on complex and movable bridges. Performed complete in-depth inspections (fulfilling routine and fracture critical inspections) as a QA measure checking work completed by District personnel for Headquarters Bridge Inspection Office. This included cantilever truss, segmental concrete box girder, movable swing span, bascule, cable-stayed and bridges with timber elements. Superstructure and substructure components of the I-20 Mississippi River Bridge was inspected.		
08/20-Ongoing	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Structural engineer and inspection team leader for three tasks under the third consecutive contract to provide NBIS underwater inspections. Provided draft/final report preparation and field investigations. When completed, a total of 773 bridges will be inspected under these tasks. This includes in-depth underwater inspection on signature bridges over large waterways with deep foundations and dynamic channel conditions. QINSy, Qimera, Applanix POSpac, MMS systems and MatLab were used for accurate/repeatable post processing/evaluation.		

**Matthew Balzarini, PE, ADCI**

06/17-12/20	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Structural engineer and inspection team leader for the second and third cycles of five-year, open-end retainer contracts to perform underwater bridge inspections. Provided Level I, II and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD's engineering and maintenance directives. Bridge types included movable swing span, bascule, truss, timber stringer, cable-stayed, single and multi-span bridges up to 8 miles long. Assisted with preparation of NBIS inspection reports.
08/21-Ongoing	<b>Engineering, Design and Associated Engineering Support Services for Bridge and Waterfront Facility Inspections, Worldwide.</b> Structural engineer and inspection team member for a five-year contract to perform NBIS inspections on all types of bridges and waterfront facilities at US Army installations worldwide under a joint venture for USACE (Vicksburg District). Specialty access operations have included commercial diving, industrial rope access, UASs and under bridge inspection vehicles. Engineering condition assessments have included NDT, repair recommendations, cost estimates, load ratings, durability analysis, finite element analysis and mooring/berthing analysis. Provided routine inspection for the 2023 waterfront facilities inspections and structural analysis of the Surface Deployment and Distribution Command transportation core dock. Provided a QC review of inspection reports for 48 bridges under the McAlester Army Ammunition Plant task.

## 16. Staff Experience

Firm employed by:



Name	Bryan Michael Tyson, PE, ADCI		Years of relevant experience with this employer	4
Title	NBIS Inspection Team Leader		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		MS / 2010 / Civil Engineering BS / 2008 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • FHWA-NHI-130053 Bridge Inspector Refresher Training • FHWA-NHI-130091 Underwater Bridge Inspection • SPRAT Level 1 Rope Access Technician • ADCI Certified		
Active registration number / state / expiration date		PE: #43425 / LA / 03-31-2025		
Year registered	2016	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS Inspection; Underwater Inspection <b>MPR 8 9</b>		
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	<b>LaDOTD, IDIQ Contract for Bridge Inspection Services, Statewide, Louisiana.</b> Inspection team leader for in-depth inspection (fulfilling both routine and fracture critical inspections) of several large bridges. Provided site mobilization, de-mobilization and bridge inspection. Level III inspections were completed in accordance with the FHWA BIRM, AASHTO MBE, AASHTO BEIM, and the LaDOTD BIM. Providing an in-depth inspection of LA 10 John James Audubon Mississippi River Bridge focusing on structure's towers and cable stays using rope access techniques to reach cables, dampers and anchorage.			
02/23-Ongoing	<b>LaDOTD, SNBI Program Development and Manual Publications, Statewide, Louisiana.</b> Structural engineer for update and further development of BIM (including off-system directives), Bridge Load Rating Manual and Coding and Field Guide. Update resulted from recent NBIS changes in CFR and implementation of SNBI. The manual will be fully compliant with the FHWA SNBI Program Metrics in accordance with published timeline. The manual will be uniquely ordered in a systemic fashion with appendix to store vital updated forms for Bridge Inspection Program. Mofaatt & Nichol has been retained for five years to provide critical updates following NBIS changes.			
06/22-Ongoing	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Inspection team leader for two tasks under the third consecutive contract to provide NBIS underwater inspections. When completed, a total of 699 bridges will be inspected under those two tasks. This includes in-depth underwater inspections on signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections were augmented with NDE acoustic imaging technology to consistently monitor streambed changes and structural deficiencies over subsequent inspection cycles. Responded to several emergency requests for inspection within hours to days utilizing local personnel.			
06/17-04/18	<b>LaDOTD, Underwater Bridge Inspections of Large River Crossings, Statewide, Louisiana.</b> Structural engineer, inspection team leader and diver for two tasks under a five-year, open-end retainer contract to perform underwater inspections. Provided Level I, II and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD's engineering and maintenance directives. Bridge types included movable swing span, bascule, truss, timber stringer, cable-stayed, single and multi-span bridges up to 8 miles long. Assisted with preparation of NBIS inspection reports. Provided inspection of 41 major bridges over large waterways with deep foundation and dynamic channel conditions.			

Bryan Michael Tyson, PE, ADCI

09/15-12/15; 01/17-01/18	<b>LaDOTD, Retainer Contract for Underwater Bridge Inspection with Majority of Work in Districts 03, 07 and 61, Statewide, Louisiana.</b> Structural engineer and inspection team member for two tasks completed for this five-year retainer contract to perform underwater bridge inspections throughout Louisiana. Provided Level I, II and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD engineering and maintenance directives. Bridge types included movable swing span bridges, bascule bridges, truss bridges, timber stringer bridges, cable-stayed bridges, single and multi-span bridges. Assisted preparation of NBIS inspection reports. Provided inspection of more than 45 concrete, steel and/or timber bridges which included emergency evaluations utilizing underwater acoustic imaging. The second task involved bridges over large waterways with high-risk environmental conditions. Provided NBIS inspection reports for both tasks.
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## 16. Staff Experience

Firm employed by:



Name	Mike Russell, EI		Years of relevant experience with this employer	3
Title	NBIS Inspection Team Leader		Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>NHI/FHWA Certified Team Leader</li> <li>FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> <li>FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges</li> <li>SPRAT 3All Rope Access Technician</li> </ul>		
Active registration number / state / expiration date		EI: #35255 / TN / N/A		
Year registered	2021	Discipline	Civil and Structural	
Contract role(s) / brief description of responsibilities		NBIS 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).			
06/22-Ongoing	<b>LaDOTD, IDIQ Contract for Bridge Inspection Services, Statewide, Louisiana.</b> Inspection team leader for in-depth inspection (fulfilling both routine and fracture critical inspections) of several large bridges. Services included inspection planning, document retrieval/review, bridge inspection and QC review of inspections and reports. Team performed various NDE including unmanned aerial vehicle (UAV) flight operations, mag particle and ultrasonic testing. Provided QC reviews on inspections reports. The US 190 Baton Rouge Mississippi River Bridge utilized rope access techniques/methodology to provide element-level inspection of approach spans. I-10 Calcasieu River Bridge is an in-depth inspection of approach and main truss spans including use of snooper truck, rope access on FCMs and UAS access techniques on columns, secondary members and connections. The Skydio drone with DroneDeploy and 3D scan collected an orthomosaic projection of the structure for digital twin models. An in-depth inspection of LA 10 John James Audubon Mississippi River Bridge was performed on the structure's towers and cable stays using rope access techniques to reach cables, dampers and anchorage. I-10 Horace Wilkinson Mississippi River Bridge was an in-depth inspection of all above deck truss elements and other miscellaneous elements. Rope access techniques and rolling lane closures were utilized to minimize traffic impacts on this project.			
09/21-Ongoing	<b>LaDOTD, IDIQ for In-Depth Inspection of Complex Bridges, Statewide, Louisiana.</b> Team member, drone operator and rope access supervisor for this five-year contract to perform in-depth bridge inspections (fulfilling both routine and fracture critical inspections). LA 10 James Audubon Mississippi River Bridge and I-310 (Ventress and Hale Boggs Memorial) Bridge are two cable-stayed bridges being inspected with rope access techniques to examine 208 cables, their Gensui Dampers and anchorages. Performed a supplemental, fracture critical inspection on US 90 GNO Cantilever Truss Bridges and LA 47/IWGO "Green Bridge" utilizing rope access techniques and UAS. Performed NDE including UAV flight operations, mag particle and ultrasonic testing. Performed QC reviews on inspections reports.			
07/21-08/23	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana.</b> Inspection team leader and assistant project manager for in-depth bridge inspections on complex and movable bridges. Completed in-depth inspections (fulfilling routine and fracture critical inspections). This included cantilever truss, segmental concrete box girder, movable swing span, bascule, cable-stayed and bridges with timber elements. NBIS routine/fracture critical structural inspections occurred on the swing span bridges - LA 56 over Boudreaux Canal and LA 324 over Bayou Teche. Both involved hands-on superstructure inspection using snooper truck, man lift or rope access. A snooper was used to inspect floor members, bearings, deck underside and concrete piers below deck. Superstructure and substructure components of the I-20 Mississippi River Bridge was inspected. Five bridges in District 62 also required in-depth inspections on US Highway 190.			



**Mike Russell, EI**

04/19-Ongoing	<b>LaDOTD, IDIQ for Statewide Ancillary Sign Inventory and Inspection, Louisiana.</b> Team leader and rope access supervisor for two consecutive five-year retainer contracts to perform sign truss inspections. To date, more than 1,700 have been inspected. Led development of new sign truss inspection program by implementing policies and standard operating procedures (SOP). Managed and utilized fall protection safety program with rope access techniques and rescue plans. Led development of application for internal tablet-based inventory management system. NDT was performed on all anchor rods at all cantilever structures, base plates with excessive standoff distances and where deficiencies were observed at steel and aluminum welds. Managed QC report review process and QC field/office review process. Planned and managed temporary traffic control plans/setups for lane closures throughout the state with all District traffic engineers. Analyzed altered load paths.
08/21-07/24	<b>Engineering, Design and Associated Engineering Support Services for Bridge and Waterfront Facility Inspections, Worldwide.</b> Inspection team leader for a five-year contract to perform NBIS inspections on all types of bridges and waterfront facilities at US Army installations worldwide under a joint venture for USACE (Vicksburg District). Specialty access operations have included commercial diving, industrial rope access, unmanned aerial systems and under bridge inspection vehicles. Engineering condition assessments have included NDT, repair recommendations, cost estimates, load ratings, durability analysis, finite element analysis and mooring/berthing analysis. Provided routine inspection for the 2023 waterfront facilities inspections and structural analysis of the Surface Deployment and Distribution Command transportation core dock. Provided a QC review of inspection reports for 48 bridges under the McAlester Army Ammunition Plant task.

## 16. Staff Experience

Firm employed by:



Name	Christopher A. Eschenbach, ADCI		Years of relevant experience with this employer	6
Title	NBIS Inspection Team Member		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		AS / 2015 / Welding Technology Additional Training/Certifications: <ul style="list-style-type: none"> <li>• FHWA-NHI-130053 Bridge Inspector Refresher Training</li> <li>• SPRAT Level 1 Rope Access Technician</li> <li>• ADCI Certified</li> </ul>		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		NBIS Inspection; Underwater 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).			
03/20-02/23	<b>LaDOTD, IDIQ for In-Depth Inspection of Complex Bridges, Statewide, Louisiana.</b> NBIS team member for this five-year contract to perform in-depth bridge inspections (fulfilling both routine and fracture critical inspections) on complex, signature, long-span bridges. Two cable-stayed bridges (LA 10 John James Audubon and I-310 Luling) were inspected with rope access techniques to examine 208 cables on the two bridges, their Gensui Dampers and anchorages. Inspected I-10 Horace Wilkinson Mississippi River Bridge utilizing rope access techniques and rolling lane closures to greatly minimize traffic impacts. A supplemental inspection of US 90 GNO Cantilever Truss Bridges utilizing rope access techniques was performed. A fracture critical inspection of LA 47/IWGO "Green Bridge" (steel tied arch) in New Orleans utilizing rope access techniques was also performed. Inspected I-10 Calcasieu River Bridge utilizing rope access on FCMs and UAS access techniques on columns. The Skydio drone with DroneDeploy and 3D Scan collected an orthomosaic projection of the structure for digital twin models.			
11/19-08/23	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana.</b> Inspection team member for detailed, in-depth NBIS bridge inspections on complex and movable bridges. Completed in-depth inspections (fulfilling routine and fracture critical inspections) as a QC check of work completed by District personnel for Headquarters Bridge Inspection Office. Included cantilever truss, segmental concrete box girder, movable swing span, bascule, cable-stayed and bridges with timber elements. LA 8 Segmental Bridge over Red River approach spans, bridge approaches, external portions of segmental bridge and the general site was inspected. This included interior inspection of 16 segmental spans involving confined space requirements. Non-permit confined space entry was completed via the alternative method consisting of ventilation and continual air monitoring. Inspection of the main truss spans below the guardrail on LA 1 Bridge over Atchafalaya River was also performed. Under bridge inspection vehicle and rope access techniques were utilized to access all elements. Two movable bridges - Indian Village Bridge over Plaquemine Bayou and Grosse Tete Bridge over Intracoastal Waterway - received a structural inspection examining all superstructure members using snoopers truck, man lift or rope access. Two movable bridges - LA 56 over Boudreaux Canal and LA 324 over Bayou Teche - received an inspection utilizing detailed, NDT methods with hand sketches. A mobilization and structural inspection of I-20 Mississippi River Bridge was performed, and included detailed, NDT methods.			

**Christopher A. Eschenbach, ADCI**

03/22-Ongoing	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Inspection team member for three tasks under the third consecutive contract to provide NBIS underwater inspections. Provided draft/final report preparation and field investigations. When completed, a total of 843 bridges will be inspected under these tasks. This includes in-depth underwater inspection on signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections were augmented with NDE acoustic imaging technology to consistently monitor streambed changes and structural deficiencies over subsequent inspection cycles. QINSy, Qimera, Applanix POSPac, MMS systems and MatLab were used for accurate/repeatable post processing/evaluation. Provided planning, mobilization, inspection and assisted inspection report preparation.
06/17-05/21	<b>LaDOTD, Underwater Bridge Inspection of Large River Crossings, Statewide, Louisiana.</b> Inspection team member for three tasks under a five-year, open-end retainer contract to perform underwater bridge inspections. Provided Level I, II and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD's engineering and maintenance directives. Bridge types included movable swing span, bascule, truss, timber stringer, cable-stayed, single and multi-span bridges up to 8 miles long.
09/21-Ongoing	<b>USACE, Bridge and Waterfront Inspections, Worldwide.</b> Inspection team member for current five-year retainer contract to perform NBIS bridge inspections on all types of bridges at US Army installations worldwide. Waterfront facilities will be assessed at specific sites, generally outside of continental US. Bridge and waterfront structure inspection/load ratings will be the primary focus. Inspections will utilize NDT as part of detailed analysis. The US Army Garrisons (USAG) Fort Polk bridge inspections consisted of pre-inspection preparation and structure inspection on 63 FHWA reportable structures. Provided routine inspection for the 2023 waterfront facilities inspections and structural analysis of the Surface Deployment and Distribution Command transportation core dock. Provided a QC review of inspection reports for 48 bridges under the McAlester Army Ammunition Plant task.

## 16. Staff Experience

Firm employed by:



Name	Clint J. Harr, PE, ADCI		Years of relevant experience with this employer	4
Title	NBIS Inspection Team Member		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2018 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• FHWA-NHI-130053C Bridge Inspector Refresher Training</li> <li>• FHWA-NHI-130091 Underwater Bridge Inspection</li> <li>• FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges</li> <li>• SPRAT Level 1 Rope Access Technician</li> <li>• ADCI Certified</li> </ul>		
Active registration number / state / expiration date		PE: #59715 / MD / 04-27-2025		
Year registered	2023	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS Inspection; Underwater Inspection <b>MPR 8 9</b>		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/23-03/23	<b>LaDOTD, IDIQ Contract for Bridge Inspection Services, Statewide, Louisiana.</b> Inspection team member for in-depth inspection (fulfilling both routine and fracture critical inspections) of several large bridges. Services included inspection planning, document retrieval/review, bridge inspection and QC review of inspections and reports. Level III inspections were completed in accordance with the FHWA BIRM, AASHTO MBE, AASHTO BEIM and the LaDOTD BIM. The US 190 Mississippi River Bridge utilized rope access techniques/methodology to provide element-level inspection of approach spans. Mobilization to and demobilization from the site was also performed.			
08/22-09/22	<b>LaDOTD, IDIQ for In-Depth Inspection of Complex Bridges, Statewide, Louisiana.</b> Inspection team member for this five-year contract to perform in-depth bridge inspections on complex and movable bridges. Performed in-depth inspections (fulfilling both routine and fracture critical inspections) as a QA measure checking work completed by District personnel for Headquarters Bridge Inspection Office. This included cantilever trusses, cable-stayed bridges, movable swing span bridges and bascule bridges. A supplemental inspection of US 90 GNO Cantilever Truss Bridges was performed utilizing rope access techniques. A fracture critical inspection of Green Bridge (steel tied arch) in New Orleans utilizing rope access and UAS access techniques was also performed.			
04/22-05/22	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana.</b> Inspection team member for detailed, in-depth NBIS bridge inspections on complex and movable bridges. Completed in-depth inspections (fulfilling routine and fracture critical inspections) as a QC check of work completed by District personnel for Headquarters Bridge Inspection Office. This included cantilever truss, segmental concrete box girder, movable swing span, bascule, cable-stayed and bridges with timber elements. Performed structural inspections of six movable bridges using detailed, NDT and laboratory testing methods with hand sketches. Used NDE methods such as laser and acoustic to analyze rotational movement of an unstable pivot pier. Superstructure and substructure components were inspected on the I-20 Mississippi River Bridge.			

**Clint J. Harr, PE, ADCI**

09/21-Ongoing	<b>USACE, Bridge and Waterfront Inspections, Worldwide.</b> Structural engineer and inspection team member for current five-year retainer contract to perform NBIS bridge inspections on all types of bridges at US Army installations worldwide. Waterfront facilities will be assessed at specific sites, generally outside of continental US. Bridge and waterfront structure inspection/load ratings will be the primary focus. Inspections will utilize NDT as part of detailed analysis. Provided structural safety inspections of bridges/culverts carrying vehicular/railroad traffic for Letterkenny Army Depot Bridge Inspections. This included pipe, box and arch culverts as well as steel multibeam and concrete slab bridges. Also developed inspection reports including findings, site plans, sketches, photographs, automated biometric identification systems (ABIS) forms, Level I Scour Analysis, channel profiles, tables and repair recommendations with cost estimates. Prepared inspection reports and provided QC review for Fort Polk Bridges, which involved 63 FHWA reportable structures. Assisted inspection report preparation for US Army Garrison Fort Polk/Fort Johnson, which involves 32 bridges. Inspection team member who provided inspection, report preparation and QC reviews of inspection reports for 48 bridges at the McAlester Army Ammunition Plant.
05/21-05/21	<b>Virginia Department of Transportation (VDOT), Underwater Inspection of Bridges, Statewide, Virginia.</b> Inspection team member for underwater inspection of 16 structures with topside inspection of five of the total structures inspected. Provided inspection and data entry for inspection of VDOT bridges in Lynchburg, Richmond, Hampton Roads and Fredericksburg Districts.
03/22-03/22	<b>VDOT, Limited Services Term Contract for Performing Safety Inspections of Highway Structures and Bridges, Staunton and Culpeper Districts, Virginia.</b> Inspection team member for inspection of six bridges, consisting of six underwater with three including routine topside inspection. Bridges were one-, two- or three-span reinforced concrete - five total and one using Tee beams - or prestressed concrete box beam structures. Piers were reinforced concrete as were abutments.
05/21-06/21	<b>City of Richmond, Underwater Inspection of Three Bridges, Richmond, Virginia.</b> Inspection team member for inspection of three bridges, providing underwater inspection with inspection report. River Road over Little Westham Creek consisted of a 25-foot-long, 77-foot-wide, simple span reinforced concrete frame bridge. Mayo Bridge over James River was a two, multi-span concrete arch bridge supported by 18 elements (piers or abutments) in the James River. Lastly, the Manchester Bridge was a 22 span, steel multi-beam and girder bridge supported by 11 piers in the James River.



## 16. Staff Experience

Firm employed by:



Name	Kimberly Marie Gravatt, PE, ADCI		Years of relevant experience with this employer	5
Title	NBIS Inspection Team Member		Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• FHWA-NHI-130053 Bridge Inspector Refresher Training</li> <li>• FHWA-NHI-130091 Underwater Bridge Inspection</li> <li>• SPRAT Level 1 Rope Access Technician</li> <li>• ADCI Certified</li> </ul>		
Active registration number / state / expiration date		PE: #44084 / MD / 06-13-2025		
Year registered	2012	Discipline	Structural	
Contract role(s) / brief description of responsibilities		NBIS Inspection; Underwater Inspection <b>MPR 8 9</b>		
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).			
09/22-04/23	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana.</b> Structural engineer and inspection team member for detailed, in-depth NBIS bridge inspections on complex and movable bridges. Completed in-depth inspections (fulfilling routine and fracture critical inspections) as a QC check of work completed by District personnel for Headquarters Bridge Inspection Office. This included cantilever truss, segmental concrete box girder, movable swing span, bascule, cable-stayed and bridges with timber elements. Provided planning, mobilization and structural inspection on six movable bridges utilizing detailed, NDT methods with hand sketches. A mobilization, structural inspection and report preparation of I-20 Mississippi River Bridge was performed, and included detailed NDT methods.			
05/21-Ongoing	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Inspection team member for three tasks under the third consecutive contract to provide NBIS underwater inspections. When completed, a total of 843 bridges will be inspected under these three tasks. This includes in-depth underwater inspection on signature bridges over large waterways with deep foundations and dynamic channel conditions. QINSy, Qimera, Applanix POSPac, MMS systems and MatLab were used for accurate/repeatable post processing/evaluation. Provided mobilization and bridge inspections			
09/21-Ongoing	<b>USACE, Bridge and Waterfront Inspections, Worldwide.</b> Structural engineer and inspection team member for current five-year retainer contract to perform NBIS bridge inspections on all types of bridges at US Army installations worldwide. Waterfront facilities will be assessed at specific sites, generally outside of continental US. Bridge and waterfront structure inspection/load ratings will be the primary focus. Inspections will utilize NDT as part of detailed analysis. Provided pre-inspection preparation, structure inspection, inspection report preparation and QC reviews of 25 bridges/culverts carrying vehicular/railroad traffic on the Letterkenny Army Depot Bridge. This included pipe, box and arch culverts as well as steel multibeam and concrete slab bridges. Also developed inspection reports including findings, site plans, sketches, photographs, ABIS forms, Level I Scour Analysis, channel profiles, tables and repair recommendations with cost estimates. Provided pre-inspection preparation, structure inspection, inspection report preparation and QC reviews for the USAG Fort Polk Bridge, which involved 63 FHWA reportable structures. Provided pre-inspection preparation and routine structure inspection for US Army Garrison Fort Polk/Fort Johnson, which involves 32 bridges. Provided QC review of bridge inspection reports for 48 bridges at the McAlester Army Ammunition Plant.			

**Kimberly Marie Gravatt, PE, ADCI**


05/21-07/21	<b>City of Richmond, Underwater Inspection of Three Bridges, Richmond, Virginia.</b> Structural engineer who provided underwater inspections and reports. River Road over Little Westham Creek consisted of a 25-foot-long, 77-foot-wide, simple span reinforced concrete frame bridge. Mayo Bridge over James River was a two, multi-span concrete arch bridge supported by 18 elements (piers or abutments). Lastly, the Manchester Bridge was a 22 span, steel multi-beam and girder bridge supported by 11 piers.
11/20-12/20	<b>VDOT, Underwater Inspection of Bridges, Statewide, Virginia.</b> Inspection team member for underwater inspection of two structures with topside inspection for one of structures. Provided inspection and data entry.
09/19-02/20	<b>NCDOT, Bridge Inspection Limited Services Contract, Statewide, North Carolina.</b> Structural engineer for NBIS bridge inspections completed under a three-year, multi-task statewide bridge inspection contract involving structures in all 14 of NCDOT's highway divisions. Provided bridge inspections for assignments during a six month period.

## 16. Staff Experience

Firm employed by:



Name	Stephanie Athanas (formerly Eschenbach), EI		Years of relevant experience with this employer	6
Title	NBIS Underwater Inspection Team Member		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2019 / Civil Engineering Additional Training/Certifications: • SPRAT Level 1 Rope Access Technician		
Active registration number / state / expiration date		EI: #19-498-21 / CA / N/A		
Year registered	2019		Discipline	N/A
Contract role(s) / brief description of responsibilities		NBIS Inspection; Underwater 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).			
06/22-Ongoing	LaDOTD, IDIQ Contract for Bridge Inspection Services, Statewide, Louisiana. NBIS inspection team member for in-depth inspection (fulfilling both routine and fracture critical inspections) several large bridges. Provided bridge inspection and inspection report preparation for two tasks under the contract. Level III inspections were completed in accordance with the FHWA BIRM, AASHTO MBE, AASHTO BEIM and the LaDOTD BIM. US 190 Baton Rouge Mississippi River Bridge utilized rope access techniques/ methodology to provide element-level inspection of approach spans. An in-depth inspection of approach and main truss spans was performed on I-10 Calcasieu River Bridge using a snooper truck.			
11/21-02/23	LaDOTD, IDIQ for In-Depth Inspection of Complex Bridges, Statewide, Louisiana. NBIS team member for this five-year contract to perform in-depth bridge inspections (fulfilling both routine and fracture critical inspections) on complex, signature, long-span bridges. Inspected LA 10 John James Audobon Mississippi River Bridge utilizing rope access techniques/methodology to provide element-level inspection of approach spans. A supplemental inspection of US 90 GNO Cantilever Truss Bridges was performed. This task provided mobilization and bridge inspection utilizing rope access techniques and inspection report preparation.			
07/21-05/23	LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana. Inspection team member for detailed, in-depth NBIS bridge inspections on complex and movable bridges. Completed in-depth inspections (fulfilling routine and fracture critical inspections) as a QC check of work completed by District personnel for Headquarters Bridge Inspection Office. Included cantilever truss, segmental concrete box girder, movable swing span, bascule, cable-stayed and bridges with timber elements. Provided planning, mobilization, inspection, report preparation and QC review of work. Two movable bridges - LA 56 over Boudreaux Canal and LA 324 over Bayou Teche - received an inspection utilizing detailed, NDT methods with hand sketches. A mobilization and structural inspection of I-20 Mississippi River Bridge was performed, and included detailed NDT methods.			
10/21-Ongoing	LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana. Inspection team member for three tasks under the third, consecutive contract to provide NBIS underwater inspections. When completed, a total of 843 bridges will be inspected under these three tasks. This includes in-depth underwater inspection on signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections were augmented with NDE acoustic imaging technology to consistently monitor streambed changes and structural deficiencies over subsequent inspection cycles. Provided planning, inspections, report preparation and QC review of reports.			
04/18-05/21	LaDOTD, Underwater Bridge Inspection of Large Bridges over River Crossings, Statewide, Louisiana. Inspection team member for three tasks under a five-year, open-end retainer contract to perform underwater bridge inspections. Provided pre-site visit dive plan, safety plan review and Level I, II and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD's engineering and maintenance directives. Bridge types included movable swing span, bascule, truss, timber stringer, cable-stayed, single and multi-span bridges up to 8 miles long.			



Stephanie Athanas (formerly Eschenbach), EI

09/21-Ongoing	<b>USACE, Bridge and Waterfront Inspections, Worldwide.</b> Structural engineer and inspection team member for current five-year retainer contract to perform NBIS bridge inspections on all types of bridges at US Army installations worldwide. Waterfront facilities will be assessed at specific sites, generally outside of continental US. Bridge and waterfront structure inspection/load ratings will be the primary focus. Inspections will utilize NDTas part of detailed analysis. Provided inspection report preparation for Letterkenny Army Depot Bridge Inspections. The report included findings, site plans, sketches, photographs, ABIS forms, Level I Scour Analysis, channel profiles, tables and repair recommendations with cost estimates. Prepared an inspection report and QC review of field work/notes for USAG Fort Polk Bridge, which involved 63 FHWA reportable structures. Assisted inspection report preparation for US Army Garrison Fort Polk/Fort Johnson, which involves 32 bridges. Provided pre-inspection, inspection and inspection report preparation for 48 bridges at the McAlester Army Ammunition Plant.
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## 16. Staff Experience

Firm employed by:



Name	Joffrey Easley, PE		Years of relevant experience with this employer	17
Title	Project Manager, Transportation Market		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		MS / 2003 / Civil Engineering BS / 2000 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • FHWA-NHI-130053 Bridge Inspection Refresher Training • FHWA-NHI-130055 Safety Inspection of In-Service Bridges • FHWA-NHI-130078 Fracture Critical Inspection Techniques For Steel Bridges • ATSSA Traffic Control Supervisor • ATSSA Certified Flagger		
Active registration number / state / expiration date		PE: #31542 / LA / 03-31-2025		
Year registered	2004	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS Inspection; Load Rating/Load Capacity Analysis		
Joffrey brings experience as team leader for the inspection of numerous bridges across Louisiana, from small bridges inspected from an aluminum bateau to major river crossings requiring snoopers or man lifts to access the structural components. He has also load rated numerous bridges using the load and resistance factor rating (LRFR) methodology; ranging from concrete slab span structures on local routes to urban corridor bridges several thousand feet in length on interstate routes. Joffrey has also inspected and load rated many different types of movable bridges, including lift spans, swing spans and bascule spans. Additionally, he has been responsible for the design and development of construction documents for many different bridge types including PPC girder, steel girder (rolled shapes and plate girders) and slab span bridges.				
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	<b>LaDOTD, Retainer Contract for Bridge Load Rating Services, Statewide, Louisiana.</b> Project manager, load rating engineer, and team leader for two task orders under a retainer contract to perform load ratings 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 SOPs. Task Order 1 focuses on the load rating of 95 on-system slab span bridges that have experienced a condition drop since the last load rating. This includes inspection when required and, if a load posting is required, determination of repair/rehabilitation options to improve/remove the load posting. Task Order 6 focuses on the load rating of approximately 65 on-system girder bridges that have experienced a condition drop since the last load rating. Bridges vary from small bridges built using LaDOTD standard plans to complex urban bridges several thousand feet long.			





**Joffrey Easley, PE**

03/18-05/22	<b>LaDOTD, Retainer Contract for Off-System Bridge Load Rating, Statewide, Louisiana.</b> Project manager, load rating engineer, and team leader for a retainer contract that includes multiple task orders to inspect and load rate off-system bridges and culverts across the state. Task Order 1 focused on the inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings and truss bridges. Task Order 2 focused on the inspection and load rating of 199 off-system bridges, consisting primarily of slab spans. Task Orders 2b and 3 focused on the inspection and load rating of approximately 200 culverts that meet the requirements to be considered a bridge across the state. These included the development of unique inspection techniques utilizing 3D laser scanning and sonar for the inspection of these structures. Task Order 4 focused on the inspection and load rating of 340 off-system bridges, consisting primarily of slab spans. However, this task order also included concrete and steel girder spans, such as on Linwood Avenue Bridge over multiple railroad tracks in Shreveport. The bridge is near the I-49/I-20 interchange and is composed of steel girders, steel bent caps and steel column assemblies. Because existing plans were not available, 3D laser scanning was utilized to capture complex geometry and member sizes that were then utilized in the load rating and in the development of load rating plans.
08/19-02/20	<b>LaDOTD, LA 1 Bridge over Atchafalaya In-Depth Bridge Inspection, Simmesport, Louisiana.</b> Project engineer responsible for inspection of the approach spans, consisting of rolled steel and plate girder spans supported by column bents.
05/16-10/19	<b>LaDOTD, US 90 West Middle River Bridge Complex Bridge Rating, Statewide, Louisiana.</b> Project manager to perform an in-depth inspection and load rating. This bridge was constructed in 1933 and includes reinforced concrete approach spans, as well as Warren pony through-truss spans.
03/14-03/17	<b>LaDOTD, Load Rating of On-System Bridges, Statewide, Louisiana.</b> Project manager and team leader and load rating engineer for over 200 slab span and girder bridges using BrR load rating software. Under this contract, two task orders were included to perform ultrasonic testing on several bridges across the state in accordance with FHWA requirements. Testing is required on all non-redundant tension members composed of T-1 steel with complete joint penetration (CJP) butt welds that were fabrication without a fracture control plan (FCP). Task Order 7 focuses on the testing of the Green Bridge, a box-shaped tied arch span with deck truss flanking spans. ultrasonic testing of 156 welds, primarily located in the tie girders, was required. Multiple rejectable defects were identified and removed by using an annular cutter. Two welds containing multiple deficiencies are currently being coordinated with FHWA and LaDOTD and are being developed/repared by another firm. Task Order 8 focuses on the testing of the US 90 Atchafalaya Mississippi River Bridge and the I-20 Mississippi River Bridge. Both bridges are cantilevered through trusses composed of fabricated I-shapes. US 90 Atchafalaya Mississippi River Bridge and the I-20 Mississippi River Bridge contain 108 welds and 68 welds that require testing. Weld testing of both bridges is complete and repair options are currently being developed to mitigate rejectable indications.
03/23-Ongoing	<b>East Lewis Street Bridge Upgrades, Lafayette, Louisiana.</b> 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 three-ton posting requirement. To improve the long-term performance of the bridge, rehabilitation plans are being developed, including strengthening of the steel girders, concrete spall and cracking repairs, a urethane-epoxy overlay of the bridge deck and sidewalk repairs.

## 16. Staff Experience

Firm employed by:



Name	Levi Yantis, PE	Years of relevant experience with this employer	8
Title	Engineer	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2013 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• NHI/FHWA Certified Team Leader</li> <li>• FHWA-NHI-130053 Bridge Inspection Refresher Training</li> <li>• FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> <li>• FHWA-NHI-130078 Fracture Critical Inspection Techniques For Steel Bridges</li> <li>• FHWA-NHI-130107C Maintenance of Movable Bridges</li> <li>• ATSSA Traffic Control Supervisor</li> <li>• ATSSA Traffic Control Technician</li> <li>• ATSSA Certified Flagger</li> <li>• SPRAT Level 1 Rope Access Technician</li> </ul>	
Active registration number / state / expiration date		PE: #42390 / LA / 09-30-2024	
Year registered	2018	Discipline	Civil
Contract role(s) / brief description of responsibilities		NBIS Inspection; Load Rating/Load Capacity Analysis	
Levi brings experience primarily in bridge load rating and inspection, but also bridge design. He has experience load rating and inspecting structure types ranging from concrete slab spans to complex steel spans, along with unique structures including movable bridges and railroad flatcar bridge spans. Levi is well versed in bridge and structural software, including AASHTOWare BrR, LEAP and STAAD.			
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 Load Rating Services, Statewide, Louisiana. Team leader responsible for leading and supervising the load ratings of on-system girder span bridges throughout the state of Louisiana. Task Order 1 focuses on bridge inspections to collect additional deterioration measurements of bridge components. Task Order 6 includes structure types range from prestressed concrete girder spans to continuous steel girder units.		
02/22-Ongoing	Ascension Parish, Load Ratings, Ascension Parish, Louisiana. Team leader for the inspection of Ascension Parish owned bridges. Also serving as the lead load rating engineer for the bridges after inspection.		
03/23-06/23	Port of New Orleans, St. Claude Avenue Bridge Updated Load Rating, New Orleans, Louisiana. Performed an updated load rating for the single bascule span on St. Claude Avenue after significant section loss was found by LaDOTD inspection forces. Performed an inspection to verify and quantify section loss measurements noted in the LaDOTD inspection report.		
04/23-07/23	East Lewis Street Bridge Load Rating, Lafayette, Louisiana. Performed an updated load rating of an existing steel girder span that was load posted at three tons under a state load rating contract. Material testing was completed to obtain specific material properties, used with previous load testing data, the need for load posting was determined to no longer be necessary.		



## Levi Yantis, PE

03/18-Ongoing	<b>LaDOTD, Retainer Contract for Off-System Bridge Load Rating, Statewide, Louisiana.</b> Led and assisted in 12 complex movable bridge inspections and load ratings throughout the state under Task Order 1. The bridge types included a single leaf bascule span, a vertical lift truss span, several steel vertical lift spans, multiple pontoon bridges, a steel plate girder swing bridge, a small steel truss/cable swing span, and a non-movable steel truss. Led and supervised the load ratings of 200 off-system slab span bridges throughout the state under Task Order 2. To avoid posting bridges lower than necessary, bridge inspections were done for several bridges that had severe deterioration noted in their inspection reports to collect additional deterioration measurements to accurately determine the bridge member's load carrying capacity. Performed load testing and refined load rating analysis of slab span bridges and culverts that previously received low or closed load postings under Task Order 5.
01/22-03/22	<b>East Baton Rouge Parish, Mall of Louisiana Boulevard Modified Bent Redesign, East Baton Rouge Parish, Louisiana.</b> Redesigning a bent cap that had a pile mis-driven during process data acquisition (PDA). Pile load checks and a modified bent load rating were performed also.
10/21-05/22	<b>LaDOTD and DOW Chemical, Bridge Design, Iberville Parish, Louisiana.</b> Designed a precast slab span bridge within the DOW Chemical's plant facility. The bridge was designed to LaDOTD specifications, as well to support the plant's oversized crane. Special design consideration had to be taken for the soil constraints at the site.
12/17-01/22	<b>Livingston Parish, Cook Road Expansion, Livingston Parish, Louisiana.</b> Assisted in the slab span superstructure, pile bent substructure design and bridge plan development.
11/18-12/18; 09/22-10/22	<b>Port of New Orleans, St. Claude Avenue Bridge Permit Load Rating, New Orleans, Louisiana.</b> Performed permit load ratings for an overload vehicle to safely pass the single bascule span on St. Claude Avenue.
03/21-10/21	<b>TDOT, Complex and Standard Bridge Load Ratings, Statewide, Tennessee.</b> Oversaw a team of load raters performing 35 AASHTOWare BrR load ratings in four months and was responsible for the QC of the model inputs and outputs, troubleshooting bridge models and assisting in load ratings. The bridge types load rated using AASHTOWare BrR software were prestressed I-beams and box girders, reinforced concrete multi-cell box bridges, reinforced concrete T-beams, continuous steel plate girders and steel girder-floorbeam-stringer systems.
01/20-10/21	<b>LaDOTD, Retainer for Complex In-Depth Bridge Inspections, Statewide, Louisiana.</b> Team leader for the structural, mechanical and electrical in-depth inspections for multiple movable bridges. Bridge types included vertical lift span bridges and steel swing bridges (through girders and through trusses). Task manager for preparing in-depth inspection reports. Led the superstructure design for the emergency repairs for task order on the US 71 Bridge in Shreveport as part of this contract.
1/20-10/21	<b>Florida Department of Environmental Protection (FDEP), Palatka Trail Pedestrian Bridge, Elkton, Florida.</b> Lead structures designer for a two-span, 210-foot structure over US 601. The two-span structure includes the design of FIB concrete girders with an intermediate hammerhead pier, pile supported stub abutments and wrap-around mechanically stabilized earth (MSE) retaining walls.
1/20-12/20	<b>TDOT, Complex Bridge Load Ratings, Statewide, Tennessee.</b> Load rater for a total of 41 complex bridges within a short time period to help the state meet a critical FHWA deadline. Involved in the QC process of multiple bridge load ratings.
06/16-04/20	<b>St. Tammany Parish, Off-System Bridge Load Ratings, St. Tammany Parish, Louisiana.</b> Led and assisted in bridge inspections and served as the load rating engineer for bridges throughout the parish of St. Tammany. The bridge types include slab spans, prestressed girder spans and bridges constructed from retired railroad flatcars.
05/16-10/19	<b>LaDOTD, Retainer Contract for Complex Bridge Rating, Statewide, Louisiana.</b> Bridge inspector and load rater for a through truss bridge over a branch of the Pearl River. The bridge consisted of three pony truss spans and reinforced concrete T-beams and was load rated utilizing AASHTOWare BrR, Leap Bridge Concrete and Mathcad software.
03/14-03/17	<b>LaDOTD, Load Rating of On-System Bridges, Statewide, Louisiana.</b> Assisted in load rating of approximately 200 existing bridges across the state of Louisiana. Bridges range from slab span bridges on local roads to elevated curved steel interstate bridges in metropolitan areas.
12/13-05/14	<b>St. Tammany Parish, Million Dollar Road Bridge Rating, St. Tammany Parish, Louisiana.</b> Assisted in the field inspection of the bridge and carried out the structure's substructure load rating.

## 16. Staff Experience

Firm employed by: **B&N**

Name	Edward Michael Cinadr, PE		Years of relevant experience with this employer	26
Title	Principal and Director of Facility Inspection		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		MS / 1997 / Civil Engineering BS / 1995 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • FHWA-NHI-130053 Bridge Inspection Refresher Training • FHWA-NHI-130055 Safety Inspection of In-Service Bridges • SPRAT Level 2 Technician • ATSSA Traffic Control Supervisor		
Active registration number / state / expiration date		PE: #35390 / LA / 09-30-2024		
Year registered	2010	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS Inspection MPR 4		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
12/09-10/11	LaDOTD, Load Rating of Six Truss Bridges, Statewide, Louisiana. Lead bridge inspector who performed field inspection of major trusses, gusset plate inspection and gathered data for bridge load rating. Utilized industrial rope access for inspection. Teamed with another firm on the inspections of LA 90 in Morgan City, I-20 in Vicksburg, I-10 Baton Rouge Mississippi River Bridge, LA 70 in Donaldsonville, US 190 in Krotz Springs and I-10 Calcasie River Bridge.			
04/16-06/21	LaDOTD, Complex Load Rating and Inspection Task Order 1, Statewide, Louisiana. Lead bridge inspector who performed field inspection and load ratings of major trusses including gusset plate inspection and rating on three major trusses - LA 47/IWGO "Green Bridge", US 90/New Orleans River bound Expressway and LA 2/Millers Bluff. Utilized industrial rope access for inspection.			
12/19-06/21	LaDOTD, Complex Load Rating and Inspection Task Order 5, Statewide, Louisiana. Lead bridge inspector who performed field inspection of off-system bridges and QA of load rating calculations for 29 bridges.			
12/21-Ongoing	LaDOTD, IDIQ Contracts for Bridge Preservation Statewide, Louisiana. Contract manager and team leader for inspection for rehabilitation of the LA 47/IWGO "Green Bridge".			
06/18-Ongoing	Oregon Department of Transportation, Bridge Inspections, Various Locations, Oregon. Lead inspector and contract manager for fracture critical, fatigue prone, in-depth, and routine inspections of major bridges including Astoria-Megler trusses, Coos Bay/McCullough Memorial trusses and West Fremont Complex (seven fracture critical steel tub girders and pier caps). Utilized industrial rope access for inspection.			
04/19-Ongoing	Oklahoma Department of Transportation (ODOT), Fracture Critical and Routine Inspections, Various Locations, Oklahoma. Contract manager and team leader for 87 off-system truss and fracture critical bridge inspections. This includes emergency vehicles/specialized hauling vehicles (EV/SHV) loadings and critical finding repair/rehabilitation detail development.			

## 16. Staff Experience

Firm employed by:



Name	Brendan James Prendeville, PE		Years of relevant experience with this employer	21
Title	Senior Project Manager, Bridge Inspection Engineer		Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization		BS / 2004 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• NHI/FHWA Certified Team Leader</li> <li>• FHWA-NHI-130053 Bridge Inspection Refresher Training</li> <li>• FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> <li>• FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges</li> <li>• SPRAT Level 2 Technician</li> </ul>		
Active registration number / state / expiration date		PE: #45371 / LA / 09-30-2025		
Year registered	2010	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS Inspection <b>MPR 5</b>		
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).			
12/09-10/11	<b>LaDOTD, Load Rating of Six Truss Bridges, Statewide, Louisiana.</b> Bridge inspection engineer who performed field inspection of major trusses, gusset plate inspection and gathered data for bridge load rating. Utilized industrial rope access for inspection. Teamed with another firm on the inspections of LA 90 in Morgan City, I-20 in Vicksburg, I-10 Baton Rouge Mississippi River Bridge, LA 70 in Donaldsonville, US 190 in Krotz Springs and I-10 in Calcasieu River Bridge.			
04/16-01/18	<b>LaDOTD, Complex Load Rating and Inspection Task Order 1, Statewide, Louisiana.</b> Bridge inspection engineer who performed field inspection and load ratings of major trusses including gusset plate inspection and rating on three major trusses - LA 47/IWGO "Green Bridge", US 90/New Orleans River bound Expressway and LA 2/Millers Bluff. Utilized industrial rope access for inspection.			
12/19-04/21	<b>LaDOTD, Complex Load Rating and Inspection Task Order 5, Statewide, Louisiana.</b> Bridge inspection engineer who performed field inspection of off-system bridges and QA of load rating calculations for 29 bridges.			
10/21-02/22	<b>LaDOTD, IDIQ Contracts for Bridge Preservation Statewide, Louisiana.</b> Team leader for inspection for rehabilitation of the LA 47/IWGO "Green Bridge" over the Mississippi River. Deficiencies documented to assist rehabilitation plan development. Rope access and mechanical access utilized for access.			
06/18-07/21	<b>Oregon Department of Transportation, Bridge Inspections, Various Locations, Oregon.</b> Project manager and bridge inspection engineer for fracture critical, fatigue prone, in-depth, and routine inspections of major bridges including Astoria-Megler trusses, Coos Bay/McCullough Memorial trusses and West Fremont Complex (seven fracture critical steel tub girders and pier caps). Utilized industrial rope access for inspection.			
04/19-04/21	<b>ODOT, Fracture Critical and Routine Inspections, Various Locations, Oklahoma.</b> Contract manager and team leader for 87 off-system truss and fracture critical bridge inspections. This includes EV/SHV loadings and critical finding repair/rehabilitation detail development. Utilized industrial rope access.			



## 16. Staff Experience

Firm employed by:



Name	Michael Kronander, PE		Years of relevant experience with this employer	13
Title	Project Manager, Bridge Inspection Engineer		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		BS / 2011 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• NHI/FHWA Certified Team Leader</li> <li>• FHWA-NHI-130053 Bridge Inspection Refresher Training</li> <li>• FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> <li>• FHWA-NHI-130078A Bridge Inspection Techniques for Nonredundant Steel Tension Members Refresher</li> <li>• ATSSA Traffic Control Technician</li> <li>• ATSSA Traffic Control Supervisor</li> <li>• SNBI Training</li> <li>• Federal Aviation Administration (FAA) Certified Remote Pilot</li> <li>• SPRAT Level 3 Rope Access Technician</li> </ul>		
Active registration number / state / expiration date		PE: #42172 / LA / 03-31-2026		
Year registered	2017	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS 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).			
04/16-01/18	LaDOTD, Complex Load Rating and Inspection Task Order 1, Statewide, Louisiana. Bridge inspection engineer who performed field inspection and load ratings of major trusses including gusset plate inspection and rating on three major trusses - LA 47/IWGO "Green Bridge", US 90/New Orleans River bound Expressway and LA 2/Millers Bluff. Utilized industrial rope access for inspection.			
12/21-06/22	LaDOTD, IDIQ Contracts for Bridge Preservation Statewide, Louisiana. Bridge inspection engineer for inspection for rehabilitation of the LA 47/IWGO "Green Bridge".			
02/19-12/21	Ohio Department of Transportation, Voinovich Bridges In-Depth, Fracture Critical and Routine Inspection, Ohio. Project manager and team leader for inspections of two signature long-span steel delta-frame bridges. Utilized industrial rope access for inspection.			
06/18-06/23	Oregon Department of Transportation, Bridge Inspections, Various Locations, Oregon. Project manager and bridge inspection engineer for fracture critical, fatigue prone, in-depth, and routine inspections of major bridges including Astoria-Megler trusses, Coos Bay/McCullough Memorial trusses and West Fremont Complex (seven fracture critical steel tub girders and pier caps). Utilized industrial rope access for inspection.			
08/18-Ongoing	Iowa DOT, Border Bridge Inspections, Iowa. Field lead for several complex bridges along the Iowa border over the Missouri and Mississippi River. Types of bridges include steel girder, suspension, truss and arches. Utilized industrial rope access for inspection.			
04/23-Ongoing	ODOT, On/Off-System Bridge Inspections and Load Ratings, Various Locations, Oklahoma. Team leader for fracture critical and routine inspections for state on and off-system bridges statewide. Load ratings were performed in Bar 7 and Excel.			

## 16. Staff Experience

Firm employed by:



Name	James "Drew" Appler, PE		Years of relevant experience with this employer	4
Title	Project Manager, Bridge Inspection Engineer		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• NHI/FHWA Certified Team Leader</li> <li>• FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> <li>• FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges</li> <li>• FHWA-NHI-130101A Prerequisite Assessment for Safety Inspection of In-Service Bridges</li> <li>• FHWA-NHI-130124 Tunnel Safety Inspection Refresher WBT Prerequisite</li> <li>• FHWA-NHI-130125 Tunnel Safety Inspection Refresher</li> <li>• ATSSA Traffic Control Technician</li> <li>• ATSSA Traffic Control Supervisor</li> <li>• SPRAT Level 1 Rope Access Technician</li> </ul>		
Active registration number / state / expiration date		PE: #47675 / LA / 09-30-2025		
Year registered	2023	Discipline	Civil	
Contract role(s) / brief description of responsibilities		NBIS 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).			
04/16-01/18	<b>LaDOTD, Complex Load Rating and Inspection Task Order 1, Statewide, Louisiana.</b> Bridge inspection engineer who performed field inspection and load ratings of major trusses including gusset plate inspection and rating on three major trusses - LA 47/IWGO "Green Bridge", US 90/New Orleans River bound Expressway and LA 2/Millers Bluff. Utilized industrial rope access for inspection.			
10/22-Ongoing	<b>LaDOTD, IDIQ Contract for Bridge Inspection Services, Statewide, Louisiana.</b> Bridge inspection engineer who performed field inspection of major trusses including gusset plate inspection and on three major trusses - LA 3213 Veterans Memorial Bridge, LA 27 Gibbstown Intercoastal Waterway, I-20 over the Mississippi River and US 79 Texas Street Bridge. Led the industrial rope access teams for NSTM inspections.			
12/21-Ongoing	<b>LaDOTD, IDIQ Contracts for Bridge Preservation Statewide, Louisiana.</b> Bridge inspection engineer for inspection for rehabilitation of the LA 47/IWGO "Green Bridge".			
02/19-06/22	<b>Ohio Department of Transportation, Voinovich Bridges In-Depth, Fracture Critical and Routine Inspection, Ohio.</b> Project manager and team leader for inspections of two signature long-span steel delta-frame bridges. Utilized industrial rope access for inspection.			
06/18-09/22	<b>Oregon Department of Transportation, Bridge Inspections, Various Locations, Oregon.</b> Bridge inspection engineer for fracture critical, fatigue prone, in-depth, and routine inspections of major bridges including Astoria-Megler trusses, Coos Bay/McCullough Memorial trusses and West Fremont Complex (seven fracture critical steel tub girders and pier caps). Utilized industrial rope access for inspection.			
04/19-Ongoing	<b>ODOT, Fracture Critical and Routine Inspections, Various Locations, Oklahoma.</b> Team leader for 87 off-system truss and fracture critical bridge inspections. This includes EV/SHV loadings and critical finding repair/rehabilitation detail development. Utilized industrial rope access for inspection.			

## 16. Staff Experience

Firm employed by:



Name	James Kretzler	Years of relevant experience with this employer	11
Title	Supervisor-Other (ASNT Level III)	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date	Additional Training/Certifications: <ul style="list-style-type: none"> <li>• ASNT NDT Level III Liquid Penetrant Testing</li> <li>• NACE Coatings Inspector CIP Level I</li> <li>• AWS Certified Welding Inspector (CWI)</li> </ul>		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Nondestructive Testing <b>MPR 7</b>		
As the NDE department manager, James oversees the NDE department of the KTA steel/concrete/NDE group. He holds financial and operational responsibilities along with project management, business development, hiring and training for NDE services. James provides Level III services internally for KTA and externally for clients that include writing and reviewing NDE procedures and certifying NDE technicians. He also provides NDE training services for Level II magnetic particle and Level II dye penetrant inspection as well as ultrasonic Level I and II classes covering ultrasonic testing thickness, straight beam and angle beam inspections.			
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).		
12/12-Ongoing	<b>Connecticut Department of Transportation (CDOT), Newington, Connecticut.</b> Project manager for steel and concrete fabrication and coatings inspection services at various shop locations. KTA is the prime consultant on three consecutive multi-year statewide contracts for CDOT.		
10/21-10/21	<b>North Dakota Department of Transportation (NDDOT), PAUT, Bismark, North Dakota.</b> Project manager for PAUT on various bridges throughout North Dakota. KTA was a subconsultant to another engineering firm.		
03/16-05/16	<b>LaDOTD, I-10 Calcasieu River Bridge, Baton Rouge, Louisiana.</b> Supervised the ultrasonic testing inspection of the bridge pins on this structure, reviewed the inspection data and issued an opinion regarding the condition of the pins. KTA was a subconsultant to HNTB.		
06/15-12/19	<b>NYSDOT, Coating Inspection Services, Albany, New York.</b> Project manager for the CWI/NDT and coating inspection services during the fabrication of bridge girders at various shop locations. KTA also provided material sampling services for flat bar and rebar and verified welding tests in accordance with NYSDOT standards.		
12/12-07/15	<b>Pennsylvania Department of Transportation (PennDOT), Bridge Fabrications Projects, Harrisburg, Pennsylvania.</b> Supervisor overseeing the inspection responsibilities of QA inspectors on bridge fabrication projects in various shops throughout Pennsylvania and Ohio. Reviewed NDE procedures, completed site audits on NDE technicians and oversaw all NDE activities on various projects.		

## 16. Staff Experience

Firm employed by:




Name	Daniel Appelbaum, PE	Years of relevant experience with this employer	16
Title	Lead Mechanical Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	MS / 2013 / Mechanical Engineering BS / 2008 / Mechanical Engineering BS / 2003 / Mathematics		
Active registration number / state / expiration date	PE: #38362 / LA / 03-31-2026; #54681 / AZ / 06-30-2025; #062069540 / IL / 11-30-2025; #6201062290 / MI / 03-11-2026		
Year registered	LA: 2013; AZ: 2013; IL: 2017; MI: 2015	Discipline	Mechanical
Contract role(s) / brief description of responsibilities	Mechanical		
Daniel is a mechanical engineer and has been involved with the design, inspection and construction of various movable bridge projects.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/24-Ongoing	UPRR, System Wide Mechanical and Electrical Inspections, Nationwide. Project manager and lead mechanical engineer responsible for inspections of UPRR's movable bridges, including 12 vertical lift spans and 17 swing spans. Coordinating inspections and evaluating mechanical systems and components. Reports include system and element ratings and prioritized recommendations.		
06/17-11/18	LaDOTD, LA 23 Judge Perez Bridge NBIS In-Depth Inspection, Belle Chasse, Louisiana. Lead mechanical engineer for the detailed inspection of the mechanical systems for this tower drive vertical lift span over the Gulf Intracoastal Waterway. Provided element ratings and maintenance recommendations.		
06/17-11/18	LaDOTD, Senator Ted Hickey Bascule Bridge, New Orleans, Louisiana. Lead mechanical engineer for the detailed inspection of the mechanical systems of this double leaf bascule bridge over the Inner Harbor Navigation Canal (IHNC). Provided element ratings and prioritized maintenance recommendations.		
06/17-11/18	LaDOTD, US 90 Danziger Bridge, New Orleans, Louisiana. Lead mechanical engineer for the detailed inspection of the mechanical systems for tower drive vertical lift over the IHNC. Provided element ratings and prioritized maintenance recommendations.		
06/17-11/18	LaDOTD, Judge Seeber Lift Bridge, New Orleans, Louisiana. Lead mechanical engineer for the detailed inspection of the mechanical systems of this tower drive vertical lift bridge over the IHNC. Provided element ratings and prioritized maintenance recommendations.		
01/17-05/19	LaDOTD, LA 70 Pierre Part Bay Swing Span, Pierre Part Bay, Louisiana. Inspector of the mechanical systems of this hydraulic-operated swing span. Provided the owner with a summary of findings, prioritized maintenance recommendations and prepared repair cost estimates.		
06/17-08/17	LaDOTD, LA 1 Lockport Bridge NBIS In-Depth Inspection, Lockport, Louisiana. Lead mechanical engineer who performed the detailed inspection of the mechanical systems for this tower drive vertical lift span over the Company Canal. Provided element ratings and prioritized maintenance recommendations.		

## 16. Staff Experience

Firm employed by:

**HNTB**

Name	Michael "Cody" Miller		Years of relevant experience with this employer	7
Title	Mechanical Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2017 / Mechanical Engineering Additional Training/Certifications: <ul style="list-style-type: none"><li>• NHI/FHWA Certified Team Leader</li><li>• FHWA-NHI-130055 - Safety Inspection of In-Service Bridges</li></ul>		
Active registration number / state / expiration date		N/A		
Year registered	N/A		Discipline	N/A
Contract role(s) / brief description of responsibilities		Mechanical		
Cody works in HNTB's movable bridge group as a mechanical engineer. He is involved in the design, inspection and construction of highway and railroad movable bridges.				
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/23-11/23	Chicago Department of Transportation, 95th Street Inspection, Chicago, Illinois. Performed an inspection of the mechanical systems for the double leaf bascule bridge over the Calumet River and developed a report detailing its condition, findings and recommendations.			
04/23-Ongoing	UPRR, Mechanical and Electrical Inspections, Nationwide. Performed inspections of the mechanical systems of multiple movable bridges owned by UPRR and developed reports detailing their condition along with findings and recommendations.			
08/20-12/20	MDOT, I-110 Inspection, Biloxi, Mississippi. Performed an in-depth element level inspection of the mechanical systems for the four leaf bascule bridge over the Back Bay of Biloxi and developed a report including condition, findings and recommendations.			
12/17-03/18	LaDOTD, LA 23 Judge Perez Bridge NBIS In-Depth Inspection, Belle Chasse, Louisiana. Performed an in-depth element level inspection of the mechanical systems for the tower drive vertical lift bridge over the Intracoastal Canal and developed a report detailing its condition and his findings and recommendations.			
06/17-08/17	LaDOTD, LA 1 Lockport Bridge NBIS In-Depth Inspection, Lockport, Louisiana. Performed an in-depth element level inspection of the mechanical systems for the tower drive vertical lift bridge over the Company Canal and developed a report detailing its condition and his findings and recommendations.			
08/18-11/18	LaDOTD, Senator Ted Hickey Inspection, New Orleans, Louisiana. Performed an in-depth element level inspection of the mechanical systems for the double leaf bascule bridge over the Industrial Canal and developed a report detailing its condition and his findings and recommendations.			
08/18-11/18	LaDOTD, Judge Seeber Lift Bridge, New Orleans, Louisiana. Performed an in-depth element level inspection of the mechanical systems for the tower drive vertical lift bridge over the Industrial Canal and developed a report detailing its condition and his findings and recommendations.			





## 16. Staff Experience

Firm employed by:



Name	Yehoshua "Josh" Gilad, PE		Years of relevant experience with this employer	13
Title	NBIS Mechanical Team Leader		Years of relevant experience with other employer(s)	40
Degree(s) / Years / Specialization		MS / 1980 / Mechanical Engineering BS / 1971 / Mechanical Engineering		
Active registration number / state / expiration date		PE: #30046 / CA / 09-30-2024		
Year registered	1986		Discipline	Mechanical
Contract role(s) / brief description of responsibilities		Mechanical		
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).			
11/19-08/23	<b>LaDOTD, IDIQ for In-Depth Inspection of Complex Bridges, Statewide, Louisiana.</b> Mechanical engineer for current five-year retainer contract to perform in-depth bridge inspections of mechanical and electro-mechanical systems for swing span bridges and prepare mechanical sections of inspection reports. Conducted in accordance with AASHTO Movable Bridge Manual, mechanical inspection examined electric motor driven gearing operations associated with main span rotation and wedge operation or live load shoes to support four corners of movable span, thruster brake, gear box, speed reducers, solenoid brakes, traffic gates and barrier gates. Inspection also examined general operation, open gearing, speed reducers, shafts, shaft bearings/shaft couplings, hydraulic power units, hydraulic piping system, hydraulic cylinders/motors/ rotary actuators, hydraulic directional control valves (DCV), machinery base, access ladder/platforms, balance wheel, tracks and barriers. For all systems and components, condition assessment is performed and the systems and components are classified and ranked in accordance with LaDOTD criteria, with recommendation for repair or replacement where applicable. To date, in-depth mechanical inspections of six swing span bridges have been completed. This includes LA 324 over Bayou Teche, Indian Village Bridge, LA 77 over Bayou Grosse Tete Bridge, LA 56 over Boudreaux Canal and Convent Street Bridge.			
08/17-12/17	<b>California State Lands Commission (CSLC), Marine Oil Terminal Engineering and Maintenance Standards (MOTEMS), Statewide, California.</b> Mechanical engineer for development of statewide standards, regulation and design criteria for inspection, design and maintenance of marine oil terminals. The standards addressed a variety of engineering issues including seismic and structural, ground motion and liquefaction, environmental and tsunami, fire detection and suppression, inspection, mooring criteria, pipeline criteria, electrical and mechanical systems criteria and personnel vessel access criteria. Work also included two workshops with presentations to and discussions with terminal operators regarding proposed standards. Work completed for CSLC and evolved into MOTEMS and Chapter 31F of the California Building Code.			
02/93-06/94	<b>Amtrak, Movable Bridge Inspection along Amtrak Northeast Corridor, Various Locations, New Jersey.</b> As part of New Haven to Boston rail line electrification project, movable bridges were inspected including all bascule and swing bridges. Inspection collected data for use in conceptual design of retractable catenary overhead wire system designed to clear bridge when it was about to open and move back on the bridge after it closed.			



## 16. Staff Experience

Firm employed by:

**HNTB**

Name	Gregory Baron, PE		Years of relevant experience with this employer	29
Title	Chief Electrical Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 1994 / Electrical Engineering		
Active registration number / state / expiration date		PE: #45122 / LA / 03-31-2025; #GE45781 / NJ / 04-30-2026; #22185 / CA / 03-31-2026; #20756 / DE / 06-30-2026; #48286 / MA / 06-30-2026; #37814 / MD / 08-12-2025; #31843 / NC / 12-31-2024; #13826 / RI / 06-30-2025; #46936 / VA / 10-31-2025		
Year registered	LA: 2020; NJ: 2005; CA: 2017; DE: 2009; MA: 2009; MD: 2009; NC: 2006; RI: 2021; VA: 2009	Discipline	Electrical	
Contract role(s) / brief description of responsibilities		Electrical		
<p>Greg is a chief electrical engineer and senior project manager responsible for preliminary and final design efforts, as well as construction support, including QC, coordination and management of electrical and ITS projects. He is experienced in the design of ITS, including smart, connected and automated vehicle (CAV) systems, variable/dynamic message signing (V/DMS), vehicle detection and analytics technology, electric vehicle charging, traffic management center (TMC) design, wrong-way vehicle detection systems (WWVDS) and overheight vehicle detection systems (OVDS). Greg's experience also includes roadway, high-mast lighting, parking area lighting systems, electronic toll collection (ETC) systems, power and control systems for movable bridges, building electrical systems, and aviation lighting, navigation, weather reporting, power and sign guidance systems. His additional responsibilities include the preparation of contract plans and specifications, coordination and management of design projects and the review of shop drawings.</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).			
10/17-10/22	<b>Golden Gate Bridge Highway and Transportation District, Battery Operated Electrical Inspection Travelers, San Francisco, California.</b> Design manager responsible for the design and construction engineering support for 16 electrical inspection travelers to be installed. Each of the travelers houses a redundant 70KW lithium-based battery pack that provides power to an AC induction driven motor and running gear. The travelers are docked at medium voltage charging platforms throughout the bridge substructure. Travelers have extending platforms and move east and west under the bridge substructure on rail. The medium voltage distribution system was extended to each of the charging platforms to provided power to the traveler battery systems. Redundant programmable logic controllers are utilized to operate the travelers via motor drives and traveler mounted feedback devices. The travelers allow inspection of the interior, bottom, and side structural elements of the bridge structure.			
05/06-Ongoing	<b>NYSDOT, Broadway Lift Bridge over the Harlem River, New York, New York.</b> Electrical engineering manager responsible for the electrical rehabilitation of this 50-year-old tower-drive, vertical-lift bridge. Currently under preliminary design, the work involves complete replacement of the electrical system including generators, power and communications between the towers, power distribution, control system, and electrical drive components, as well as ancillary electrical systems. Significant coordination with MTA and Metro-North Railroad (MNRR), whose tracks pass under the bridge is required throughout the inspection and rehabilitation.			
11/12-06/20	<b>NYSDOT, 20 Movable Bridges, New York City, New York.</b> Electrical engineering manager supervising project which involved inspection, scoping and development of bid documents for replacement of all electrical equipment that was affected/damaged by Hurricane Sandy on 20 movable bridges. Work includes contract document preparation for various control systems, sump pump equipment, lighting, heating, communications equipment, power distribution equipment and generators on the 13 bridges whose operation was significantly affected.			



**Gregory Baron, PE**

07/11-09/14	<b>New Hampshire Department of Transportation, Portsmouth Memorial Bridge, Portsmouth, New Hampshire.</b> Electrical engineering manager supervising staff who inspected the existing bridge components and tie-ins to existing electrical infrastructure, design of all electrical components of the proposed bridge, including control system, AC motor drive, motors, brakes, clutches, gates and signals, as well as navigation and aviation lighting of this new vertical lift bridge to replace the existing substandard bridge that was closed to traffic. This was a DB project that included construction support as well.
04/15-Ongoing	<b>CDOT/MTA/MNRR, New Haven Line Railroad Bridge over Norwalk River, Norwalk, Connecticut.</b> Electrical engineering manager involved in the design of the complete bridge electrical system for this railroad bridge. The scope included control system design, power distribution calculations, load calculations, transformer and panelboard sizing, generator sizing, full-time and emergency lighting design, raceway design, voltage drop calculation, equipment specification, bridge communication system design, contract plan set preparation, specification preparation and cost estimate preparation.

## 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 / 3-31-2025; #19394 / AR / 12-31-24; #16326 / CA / 03-31-2025; #062073778 / IL / 11-30-2025; #28206 / KS / 4-30-2026; #88795 / FL / 02-28-2025; #6201062332 / MI / 03-11-2026; #029901 / MO / 12-31-2024; #18692 / OK / 04-30-2026		
Year registered	LA: 2020; AR: 2020; CA: 2000; IL: 2022; KS: 2021; FL: 2020; MI: 2015; MO: 1998; OK: 1998	Discipline	Electrical	
Contract role(s) / brief description of responsibilities		Electrical		
Paul has worked 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).			
03/17-08/20	<b>LaDOTD, US 90 Atchafalaya Mississippi River Bridge, Morgan City, Louisiana.</b> Performed a site investigation to determine existing condition of the navigation lights on the bridge and determine how to add additional fixtures. Developed plans to add the additional lights and rehabilitation plans for the existing navigation lights.			
11/18-01/22	<b>Florida Department of Transportation (FDOT), State Route A1A at Hillsboro Inlet Submarine Cable Replacement, District 4, Florida.</b> Lead electrical engineer for the design of new directionally bored conduits crossing the channel for new power and control circuits for the bascule bridge.			
08/18-10/18	<b>LaDOTD, Senator Ted Hickey Bascule Bridge, New Orleans, Louisiana.</b> Lead electrical engineer for the detailed inspection of the electrical systems of this double leaf bascule bridge over the IHNC. Provided element ratings and prioritized maintenance recommendations.			
10/17-10/22	<b>NCDOT, Perquimans Swing Span, Hertford, North Carolina.</b> Representative on behalf of the owner for this DB swing span replacement over the Perquimans River. Developed the request for qualification (RFQ) documents and participated in DB team interviews.			
01/17-05/19	<b>LaDOTD, LA 70 Pierre Part Bay Bridge Rehabilitation, Pierre Part, Louisiana.</b> Inspector of the electrical systems of this hydraulic-operated swing span. Provided the owner with a summary report of findings, prioritized maintenance recommendations and prepared repair cost estimates.			
12/17-03/18	<b>LaDOTD, LA 23 Judge Perez Bridge, Belle Chase, Louisiana.</b> Lead electrical engineer for the detailed inspection of the electrical systems for this tower drive vertical lift span over the Gulf Intracoastal Waterway. Provided a written report with element ratings and maintenance recommendations.			
06/17-11/18	<b>LaDOTD, US 90 Danziger Bridge, New Orleans, Louisiana.</b> Lead electrical engineer for the detailed inspection of the electrical systems for tower drive vertical lift over the IHNC. Provided element ratings and prioritized maintenance recommendations.			



**Paul Hunter, PE**

10/16-12/17	<b>Chicago Department of Transportation, Bridge Program, Chicago, Illinois.</b> Electrical engineer responsible for the inspection of the electrical systems on eight movable bridges. Services included the completion of electrical component inspection forms and preparation of an electrical system inspection report for each bridge. The bridges inspected were 92nd Street, 95th Street, 106th Street, Ashland Avenue, Torrence Avenue, Loomis Street, Halsted Street and Cermak Road. Reports were developed for each bridge.
10/14-06/17	<b>Michigan Department of Public Service, Jefferson Avenue Bascule Bridge Rehabilitation, Detroit, Michigan.</b> Lead electrical engineer responsible for electrical inspections for the rehabilitation of the historic Jefferson Avenue Bascule Bridge that was damaged in a ship collision. HNTB's inspection and planning services included an inspection of the bridge's mechanical, electrical and structural elements, an underwater inspection of the bascule river piers, a LiDAR survey of the project area, permit coordination and application with various agencies, public outreach and preparation of a design study report to document the condition of the bridge and provided recommendations for rehabilitation/reconstruction. HNTB prepared PS&E services for construction. HNTB coordinated the rehabilitation with the Michigan State Historic Preservation Office to avoid, mitigate or minimize adverse effects to the historic bridge.
11/13-03/16	<b>City of Chicago, LaSalle Bridge, Chicago, Illinois.</b> Lead electrical engineer for inspecting the LaSalle Bascule Bridge, which was concurrent with a mechanical and structural inspection. The structural inspection determined major structural components that were to be repaired and replaced for rehabilitation. The electrical inspection determined the overall condition of the electrical system and identified electrical components that should be replaced for the bridge rehabilitation. A report with recommendations and cost estimates was developed.
12/13-10/14	<b>Port of Hood River, Vertical Lift Bridge Inspection, Oregon.</b> Lead electrical engineer for the electrical inspection for the Port of Hood River vertical lift bridge. The inspection included street lights, traffic lights, traffic gates, traffic barriers, electrical service, control console, equipment room, motors, brakes, span locks, navigation lights, aviation lights, relay cabinets, motor control center, air horn, termination cabinets and area lighting.
04/12-08/16	<b>USACE, LPV 145 Swing Span Bridge at Bayou Bienvenue Floodgate, St. Bernard Parish, Louisiana.</b> Lead electrical engineer who performed an initial site survey to document existing conditions and helped prepare the engineering plan for the bridge. The design included navigation lights, utilizing an existing generator and using the existing service for the sector gate. Control panels to operate the bridge were provided on both sides of the channel. The project was built next to an existing sector gate dam.

## 16. Staff Experience

Firm employed by:



Name	<b>Rodney Trammell, PE</b>	Years of relevant experience with this employer	3
Title	NBIS Inspection Team Member	Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization	MS / 2018 / Electrical Engineering BS / 2015 / Engineering Physics		
Active registration number / state / expiration date	PE: #140158 / TX / 12-31-2024		
Year registered	2021	Discipline	Electrical
Contract role(s) / brief description of responsibilities	Electrical		
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).		
11/19-08/23	<b>LaDOTD, IDIQ for In-Depth Inspection of Complex Bridges, Statewide, Louisiana.</b> Electrical engineer for the five-year retainer contract to perform in-depth bridge inspections of electro-mechanical and electro-hydraulic systems for swing span bridges and prepare electrical sections of inspection reports. Conducted in accordance with AASHTO Movable Bridge Manual, electrical inspection examined electric motor operations associated with main span rotation and live load shoes to support four corners of movable span, thruster brake, gear box, speed reducers, solenoid brakes, traffic gates and barrier gates. Inspection also examined general operation, open gearing, speed reducers, shafts, shaft bearings/shaft couplings, hydraulic power units, hydraulic cylinders/motors/rotary actuators, machinery base and other aspects. For all systems and components, condition assessment was performed and systems/components were classified/ranked in accordance with LaDOTD criteria, with recommendation for repair or replacement where applicable. In-depth mechanical inspections of six swing span bridges were completed. This includes LA 324 over Bayou Teche, Indian Village Bridge, LA 77 over Bayou Grosse Tete Bridge, LA 56 over Boudreaux Canal and Convent Street Bridge.		
01/19-07/21	<b>Atlantic Undersea Test and Evaluation Center (AUTC), Pier 1902 Replacement, Andros Island, Bahamas.</b> Electrical designer responsible for providing electrical engineering support to replace Pier 1902 at AUTC with ship-to-shore power, pier telecommunications (no ship communication), ordnance grounding and lighting, as part of an engineering consulting team for this Naval Facilities Engineering Systems Command Southeast project. Designed lighting system and grounding/lightning protection system. Prepared technical specifications and calculation package to be incorporated into the request for proposals documents.		
09/20-Ongoing	<b>VDOT, Dry Dock 3 Modernization, Norfolk, Virginia.</b> Lead electrical engineer to modernize/restore a 100-year-old graving dock. Modernization included replacing the pump well with new dewatering and drainage pumps, as well as electrical and controls systems. Electrical design included complete replacement/upgrade of industrial power and shore power connection equipment, dry dock interior lighting, medium voltage design for shore power and industrial power unit substations and required phasing plans to keep various loads for surrounding areas operational during the project's duration. This project also included telecommunications design for fire alarm, fiber optic for general data, supervisory control and data acquisition, advanced metering infrastructure, as well as telephone.		



## 16. Staff Experience

Firm employed by:



Name	Jeffrey M. Gazarek, ADCI	Years of relevant experience with this employer	9
Title	Safety Specialist, NBIS Underwater Team Member	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	AS / 2015 / Welding Technology Additional Training/Certifications: • FHWA-NHI-130053 Bridge Inspector Refresher Training • ADCI Certified		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Underwater Inspection		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/21-02/23	<b>LaDOTD, IDIQ for In-Depth Inspection of Complex Bridges, Statewide, Louisiana.</b> Site safety specialist, engineering technician diver and team leader for the five-year retainer contract to perform underwater bridge inspections. Level I, II and III inspections of submerged elements are performed in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD requirements. Duties included pre-site visit dive plan and safety plan review.		
11/19-08/23	<b>LaDOTD, IDIQ for In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana.</b> Site safety specialist and inspection team member for detailed, in-depth NBIS bridge inspections on complex and movable bridges. Completed in-depth inspections (fulfilling routine and fracture critical inspections) as a QC check of work completed by District personnel for Headquarters Bridge Inspection Office. Included cantilever truss, segmental concrete box girder, movable swing span, bascule, cable-stayed and bridges with timber elements. Duties included pre-site visit dive plan and safety plan review and inspection. Provide inspection utilizing detailed, NDT methods with hand sketches for two movable bridges - LA 56 over Boudreaux Canal and LA 324 over Bayou Teche. Provided mobilization, structural inspection and superstructure and substructure inspection of I-20 Mississippi River Bridge, which included detailed NDT methods		
03/22-Ongoing	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Site safety specialist and inspection team member for three tasks under the third, consecutive contract to provide NBIS underwater inspections. When completed, 843 bridges will be inspected under those three tasks. This includes in-depth underwater inspection on signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections were augmented with NDE acoustic imaging technology to monitor streambed changes and structural deficiencies over subsequent cycles. Provided pre-site visit dive plan, safety plan review mobilization and inspections.		
06/17-05/21	<b>LaDOTD, Underwater Bridge Inspection of Large River Crossings, Statewide, Louisiana.</b> Site safety specialist and inspection team member for five tasks under a five-year, open-end retainer contract to perform underwater bridge inspections. Provided pre-site visit dive plan, safety plan review and Level I, II and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD engineering and maintenance directives. Bridge types included movable swing span, bascule, truss, timber stringer, cable-stayed, single and multi-span bridges up to 8 miles long.		
11/15-01/18	<b>LaDOTD, Retainer Contract for Underwater Bridge Inspection with the Majority of Work in Districts 03, 07 and 61, Statewide, Louisiana.</b> Site safety specialist and inspection team member for four tasks completed for this five-year retainer contract to perform underwater bridge inspections. Provided Level I, II and III inspections of submerged elements in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD engineering and maintenance directives. Bridge types included movable swing span bridges, bascule bridges, truss bridges, timber stringer bridges, cable-stayed bridges, single and multi-span bridges. Duties included pre-site visit dive plan and safety plan review and inspection.		

## 16. Staff Experience

Firm employed by:



Name	Eric Jones, ADCI		Years of relevant experience with this employer	3
Title	Assistant Inspector and Diver		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization		BS / 2023 / Civil Engineering Additional Training/Certifications: <ul style="list-style-type: none"> <li>• FHWA-NHI-130055 Safety Inspection of In-Service Bridges</li> <li>• FHWA-NHI-130091 Underwater Bridge Inspection</li> <li>• ADCI Certified</li> </ul>		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Underwater Inspection MPR 9		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/23-Ongoing	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Structural engineering associate and inspection team member for two tasks under the third consecutive contract to provide NBIS underwater inspections. When completed, a total of 700 bridges will be inspected under those two tasks. This includes in-depth underwater inspection on signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections were augmented with NDE acoustic imaging technology to consistently monitor streambed changes and structural deficiencies over subsequent inspection cycles. Provided planning, mobilization, inspections, report preparation and QC review of reports.			
11/23-01/24	<b>Mississippi Office of State Aid Road Construction (OSARC), Timber and Complex Bridge Inspections, Load Ratings and On-Call Services, Statewide, Mississippi.</b> Structural engineering associate who assisted with Assetwise data inputs, draft report preparation and final report QC reviews for topside bridge inspections. Data were input to Assetwise based on results of Level I, II and III inspections of the bridge elements completed in accordance with the FHWA BIRM, AASHTO MBE, current NBIS requirements and LaDOTD engineering and maintenance directives.			
09/23-10/23	<b>MDOT, Berths 3 and 4 WFI and Crane Rail Assessment, Wilmington, North Carolina.</b> Structural engineering associate and inspection team member for routine underwater inspection of Berth 3. Provided Level I, II and III inspection on precast concrete piles and square fender piles. Developed inspection plans and uploaded inspection notes.			
03/24-Ongoing	<b>MDOT, Underwater Bridge Inspections for Critical Bridge Sites, Statewide, Mississippi.</b> Structural engineering associate and inspection team member for the one year retainer contract to perform underwater inspections, including 100% visual inspections of submerged elements in accordance with NBIS requirements. Served as inspector for the underwater inspection of concrete, steel and timber bridges.			

## 16. Staff Experience

Firm employed by:



Name	Kyle Bailey, ADCI		Years of relevant experience with this employer	2
Title	NBIS Underwater Inspection Team Member		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		BS / 2004 / Art and Computer Technology AA / 2002 / General Education Studies Additional Training/Certifications: • FHWA-NHI-130055 Safety Inspection of In-Service Bridges • FHWA-NHI-130091 Underwater Bridge Inspection • ADCI Certified		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Underwater Inspection MPR 9		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/23-Ongoing	<b>LaDOTD, IDIQ for Underwater Bridge Inspection, Statewide, Louisiana.</b> Field technician and inspection team member for two tasks under the third consecutive contract to provide NBIS underwater inspections. When completed, 700 bridges will be inspected under those two tasks. This includes in-depth underwater inspection on signature bridges over large waterways with deep foundations and dynamic channel conditions. Inspections were augmented with NDE acoustic imaging technology to monitor streambed changes and structural deficiencies over subsequent inspection cycles. Provided planning, mobilization, inspections, report preparation and QC of reports.			
07/23-Ongoing	<b>USACE, Bridge and Waterfront Inspections, Worldwide.</b> Inspection team member for current five-year contract to perform NBIS bridge inspections on all types of bridges at US Army installations. Waterfront facilities will be assessed at specific sites, generally outside of continental US. Bridge and waterfront structure inspection/load ratings will be the primary focus. Inspections will utilize NDT as part of detailed analysis. Duties included pre-site visit dive plan, safety plan review and on-site bridge inspector. Assisted in inspection report preparation for US Army Garrison Fort Polk/Fort Johnson, which involves 32 bridges. Provided pre-inspection inspection and inspect report preparation for 48 bridges at the McAlester Army Ammunition Plant.			
09/23-10/23	<b>MDOT, Berths 3 and 4 WFI and Crane Rail Assessment, Wilmington, North Carolina.</b> Field technician and inspection team member for routine underwater inspection of Berth 3. Provided Level I, II and III inspection on precast concrete piles and square fender piles. Developed inspection plans and uploaded inspection notes.			
04/24-Ongoing	<b>MDOT, Underwater Bridge Inspections for Critical Bridge Sites, Statewide, Mississippi.</b> Field technician and inspection team member for the one year retainer contract to perform underwater inspections, including 100% visual inspections of submerged elements in accordance with NBIS requirements. Served as inspector for the underwater inspection of concrete, steel and timber bridges.			
06/23-Ongoing	<b>VDOT, Underwater Bridge Inspection, Norfolk, Virginia.</b> Technician and diver who assisted with underwater bridge inspections for various bridges. All inspections were in accordance with the FHWA BIRM, AASHTO, MBE, current NBIS requirements and VDOT engineering and maintenance directives. Visual and tactile initial and routine inspections using wading and surface supplied diving techniques. Equipment used for data and inspection purposes including but not limited to digital cameras, hand sounding devices, various cleaning tools and sub-sea imaging devices. Assisted with post inspection reports, comparative data recording, depth sounding, data analysis and condition assessment/ratings for multiple bridge types and aggregates including steel and concrete construction.			

## 16. Staff Experience

Firm employed by:



Name	John Bernard, PE	Years of relevant experience with this employer	26
Title	Bridge Technical Advisor	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	Advanced Graduate Studies in Structural Civil Engineering BS / 1998 / Civil Engineering		
Active registration number / state / expiration date	PE: #31026 / LA / 03-31-2026; #19068 / MS / 12-31-2025		
Year registered	LA: 2004; MS:2009	Discipline	Civil
Contract role(s) / brief description of responsibilities	Design Services and Construction Support		
John has been a structural engineer since 1998. His experience includes bridge design, widening, repair, rating, inspection, construction support and plan preparation, as applicable for steel trusses, movable bridges, curved and straight plate girders, prestressed girders, timber structures, culverts, floodwalls and floodgates. He has been involved with field inspections on five major bridges crossing the Mississippi River.			
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).		
05/16-06/18; 02/13-09/15	<b>MDOT, US 84 Mississippi River Westbound Bridge Painting and Pin and Link Replacement, Natchez, Mississippi.</b> Design engineer responsible for final designs and plans to replace truss links at two locations of a primary link system that supports suspended spans that included modification of the existing truss and design of temporary post-tensioning restraining systems and new links and pins. Other responsibilities included final design and plan option (not used) to replace only the existing link lower pin at the two locations noted above that include design of post-tensioning restraining systems, pier jacking to allow for thermal movement and new pins.		
06/16-07/16	<b>LaDOTD, I-10 Baton Rouge Mississippi River Bridge NBIS Inspection, Baton Rouge, Louisiana.</b> Team leader for an inspection that identified and documented deficiencies.		
02/19-07/19	<b>LaDOTD, I-10 Loyola Boulevard Bridges Slab Span Repair, New Orleans, Louisiana.</b> Participated in the final stages of plan development in MicroStation and finalizing quantities in Excel before final submittal. The first project consisted of the replacement of the median barrier along I-20 through a stretch of Bossier City. The second project in the bridge retainer involved a field visit to inspect the condition of a bridge that was struck by a construction vehicle.		
10/18-12/18	<b>LaDOTD, US 90 over LDRR and LA-329, New Iberia, Louisiana.</b> Lead design engineer responsible for final repair plans for ABC techniques of precast end bent backwall and approach slab replacements. Other repairs included concrete patching, anchor bolts, joint seals and bearing pads.		
03/14-08/16	<b>LaDOTD, I-20 Ouachita River Bridge Repairs, Monroe, Louisiana.</b> Lead design engineer responsible for construction phase supplementary design and plan change order development for bearing replacements which were not discovered until after construction began. Performed field inspections of additional bridge deficiencies discovered by the contractor.		
12/11-08/18	<b>LaDOTD, I-20 Overpass Rehabilitation, Bossier City, Louisiana.</b> Lead design engineer responsible for inspection and repair plans for five twin steel-span and two concrete span bridges. The project included many significant scope changes that consisted of replacing bearings, expansion joints, end bent backwall, approach slabs, bridge barriers and roadway median barriers, barrier retrofit, deck overlay, steel repainting, concrete repair and others.		

## 16. Staff Experience

Firm employed by:



Name	Aravind Tankasala, PhD, PE		Years of relevant experience with this employer	6
Title	Engineer III		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		PhD / 2017 / Civil Engineering MS / 2013 / Civil Engineering BS / 2011 / Civil Engineering		
Active registration number / state / expiration date		PE: #46286 / LA / 03-31-2026		
Year registered	2021	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Load Rating/Load Capacity Analysis		
Aravind is a bridge engineer who possesses a working knowledge of structural analysis, concrete materials testing and national codes and standards such as AASHTO, ASTM and ACI. He has drafted reports and frequently applies his strong programming skills. He has experience with MATLAB, MATHCAD, FORTRAN, ABAQUS, STAAD.Pro, SAP2000, LEAP Bridge, MicroStation and AutoCAD.				
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).			
12/23-03/24	<b>MDOT, Complex Bridge Rating, Jackson, Mississippi.</b> Rated a seven-span curved reinforced concrete girder bridge using finite element analysis modeled in LARSA 4D. The bridge had fixed and simple supports with a varying cross section over the bridge length with unequal spans. Coordinated with different offices on a tight deadline.			
08/22-12/22	<b>TxDOT, I-49 DB, Dallas, Texas.</b> Designed the substructure and coordinated the CAD drawings for four different bridges for the I-49 intersection. Substructure consisted of reinforced concrete abutments with widths more than 60 feet. Coordinated with multiple offices on a tight deadline.			
10/20-08/21	<b>LaDOTD, LA 1 Leeville to Golden Meadow (Phase 2C), Lafourche Parish, Louisiana.</b> Designed and drafted the substructure for multiple prestressed girder spans. Checked the prestressed girder, bearing seat elevations, bearing pad, and deck designs. Rated the superstructure and substructure for both the girder and slab spans. Put together rating reports and performed QC checks.			
08/19-07/20	<b>LaDOTD, Louisiana Bridge Rating, Statewide, Louisiana.</b> Rated the superstructure and substructure for various types of bridges. The bridges include prestressed concrete girder spans, slab spans and continuous reinforced concrete girder spans. Put together rating reports and performed QC checks on the spans.			
04/20-08/20	<b>LaDOTD and MDOT, LA 10 John James Audubon and Biloxi Bridge Inspections, Biloxi, Mississippi.</b> Performed a detailed inspection of the John James Audubon Mississippi River Bridge superstructure which included the ladder girder/deck system, consisting of two longitudinal girders supported by transverse floor beams. Also performed inspection of the main tower cables from inside the towers. A routine inspection of the Biloxi Bay Bridge (deck and bents) was completed.			
10/18-05/19	<b>LaDOTD, LA 1 Leeville to Golden Meadow (Phase 2B), Lafourche Parish, Louisiana.</b> Bridge engineer for this DB contract to construct a pre-stressed concrete girder bridge superstructure and concrete floodwall design. Assisted with QC on final plans comprising of three alternative bridge designs which included the superstructure and substructure.			
12/18-04/19	<b>LaDOTD, LA 532 over I-20 Webster, Richland Parish, Louisiana.</b> Bridge engineer for this DB contract to construct a pre-stressed concrete girder bridge superstructure and substructure over I-20. Developed customized excel spreadsheets to check for column design and prestressed girder design. Performed QC on final plans which included the superstructure and substructure.			

## 16. Staff Experience

Firm employed by:



Name	Patrick Duffy, PE		Years of relevant experience with this employer	3
Title	Project Manager		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MS / 2016 / Civil Engineering BS / 2020 / Civil Engineering		
Active registration number / state / expiration date		PE: #45363 / LA / 9-30-2025		
Year registered	2021	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Load Rating/Load Capacity Analysis		
<p>Patrick serves as a project manager within HNTB's Baton Rouge office's bridge design group. He has experience working on a variety of bridges, including slab span, steel I-beam, steel plate girder swing span, steel truss, concrete precast slab units and concrete prestressed girder bridges. Having worked on both simple and complex bridges throughout the state of Louisiana for the LaDOTD, he is familiar with the requirements and standards that the LaDOTD expects. He is proficient in essential programs such as AASHTOWare Bridge Rating, Bentley LEAP RCPier, Mathcad and MicroStation.</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).			
08/24-Ongoing	<p><b>LaDOTD, Load Rating IDIQ, Statewide, Louisiana.</b> Project engineer who served as task manager for the bridge load rating of six complex structures. The project consists of analyzing complex bridges with the goal of providing LaDOTD with an overall assessment of the current condition of each bridge as well as repair recommendations and plans if necessary. This project included collecting existing bridge plans and inspection reports, determining proper load rating procedure on a case-by-case basis for each unique structure type, load rating analysis of the superstructure and substructure of existing bridges, and report generation. Bridge structure types in this project include swing span, pontoon and vertical lift.</p>			
11/22-Ongoing	<p><b>LaDOTD, I-110 North Street to Plank Road, Baton Rouge, Louisiana.</b> Project engineer tasked with assessing bridge superstructure impact damage and designing bridge repairs to the North 19th Street Bridge. This bridge repair project is part of the larger ongoing I-110 corridor improvements project. To assess the impact damage, existing plans and up to date inspection reports were reviewed. A bridge superstructure model was then developed in BrR properly reflecting the bridge in its damaged state. A bridge repair was design for the impacted members which was independently rated by hand calculations. These repairs were then generated in a BrR model that properly reflected the post-repair results.</p>			
04/21-Ongoing	<p><b>LaDOTD, LA 1 Leeville to Golden Meadow (Phase 2), Lafourche Parish, Louisiana.</b> Bridge engineer on the slab span substructure design team for the elevated bridge intersection connecting relocated LA 1 with the existing road. Leading 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 state highway 1 to 22 feet above the rising Gulf of Mexico and surrounding marsh to eliminate frequent inundation and consequential energy production impacts. The construction cost for this project is \$436 million.</p>			
07/19-09/20	<p><b>LaDOTD, Load Rating of 396 Bridges, Statewide, Louisiana*.</b> Structural engineer responsible for rating 13 bridges, and provided QA/QC review of the bridge models, results, and reports of 46 other bridges. He reviewed the as-built drawings of the bridges, determined the appropriate load rating method, performed load rating analysis on the selected bridges using AASHTOWARE Bridge Rating, LEAP Bridge Concrete, and MathCad, and wrote the load rating reports of the findings. The bridge types in this project are CIP slab, precast slab units, concrete deck girder, prestressed concrete girders, steel plate-girders, frame culverts, arch culverts and swing spans.</p>			



**Patrick Duffy, PE**

02/19-08/19	<b>LaDOTD, Load Rating of 27 Bridges, Statewide, Louisiana*</b> . Structural engineer responsible for load rating and evaluation of the South Broad Avenue over the Pontchartrain Expressway, a 2,589-foot-long steel I-Beam bridge built in 1951. Reviewed the as-built drawings of the bridge, determined the appropriate load rating method and procedures, created 59 unique span and cross girder models in AASHTOWARE BrR and compiled a thorough report. This report contained descriptions of the existing bridge and conditions, the procedures used for the analysis, and the load rating results. The superstructures were rated using Bridge Rating AASHTOWARE and the substructures were rated using RC-Pier and MathCad Sheets
10/17-09/18	<b>LaDOTD, Load Rating of 18 Complex Bridges, Statewide, Louisiana*</b> . Structural engineer tasked with the load rating of two bridges - a steel high truss swing span (Chef Menteur Highway over East Pearl River) and a steel plate girder swing span bridge (Bayou Jacob Road over Intercoastal Waterway). Reviewed the as-built drawings of the bridge, determined the appropriate load rating method and procedures, created superstructure models in AASHTOWARE BrR and compiled a thorough report.

\*Denotes work completed at a previous firm.

## 16. Staff Experience

Firm employed by: **HNTB**

Name	<b>Randal Bonura, PE</b>	Years of relevant experience with this employer	5
Title	Project Manager	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization	BS / 2010 / Civil Engineering Additional Training/Certifications: • ATSSA Traffic Control Supervisor • LaDOTD Certified Flagger		
Active registration number / state / expiration date	PE: #39861 / LA / 09-30-2025; #37626 / AL / 12-31-2025; #82055 / FL / 02-28-2025; #28294 / MS / 12-31-2025; #123865 / TX / 03-31-2025		
Year registered	LA: 2015; AL: 2018; FL: 2016; MS: 2017; TX: 2016	Discipline	Civil
Contract role(s) / brief description of responsibilities	Traffic Control Plans		
Randal has 14 years of engineering experience, focusing on roadway and bridge design, cost estimating and construction administration services for projects in HNTB's Baton Rouge and New Orleans offices' 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	<b>LaDOTD, LA 1 Leeville to Golden Meadow (Phase 2), Lafourche Parish, Louisiana.</b> Project engineer performing design services for the \$38.3-million 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 an intersecting T-intersection bridge near Golden Meadow. The T-intersection has a stem that consist of a two-lane, two-way urban arterial roadway that connects existing LA 1 to the new LA 1/LA 3235 bridge. Performed field investigations, developed detailed construction plans conforming to LaDOTD design guidelines and standards, prepared scope of work for surveyor and provided recommendations on horizontal geometric alignment layouts. Coordinated with the LaDOTD for the proposed roadway and drainage design features to meet the department's minimum design guidelines, Road Design Manual and EDSM publications and conform to the Hydraulic's Manual. The roadway design includes accommodations for pedestrians and bicyclists per the LaDOTD's Complete Streets policy.		
03/16-02/17	<b>LaDOTD, Strain Road Bridge over Drainage Bayou, Baton Rouge, Louisiana.</b> Project engineer for the \$2-million replacement of a 56-foot, three-span bridge with an 8-foot by 8-foot double barrel CIP concrete box culvert. The existing structure included an asphalt overlay concrete deck supported by treated timber stringers, bent caps and piles. The approaching roadway is a two-lane asphalt concrete street. The proposed roadway included new horizontal and vertical alignment to achieve the design flood event elevation. A multi-phase suggested sequence of construction plan was provided and included a temporary detour culvert crossing. Permanent pavement marking and signage plans were developed utilizing LaDOTD guidelines and the Manual on Uniform Traffic Control Devices.		
07/14-02/16	<b>LaDOTD, Underwater Bridge Inspection Services, Louisiana.</b> Project engineer for the inspection and evaluation of approximately 400 bridges located in the LaDOTD's Districts 2 and 62. Tasks included conducting field inspections, evaluating field reports and reporting findings in accordance with standard inspection practices from FHWA and LaDOTD. Findings, such as any significant structural impact, anomalies and deficiencies encountered, were presented for each bridge in a final report to LaDOTD's project manager. Each bridge received a signed and sealed final report which included a summary of findings including recommendations for repairs, National Bridge Inventory Component rating for the substructure and channel, condition state ratings the of substructure elements, drawings of the substructure and photographs taken during the inspection.		

## 16. Staff Experience

Firm employed by:  **GOTECH, INC.**  
Consulting Engineers

Name	<b>Bruce Dyson, PE, PLS</b>	Years of relevant experience with this employer	29
Title	Engineering and Surveying Manager	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization	BS / 1978 / Civil Engineering Additional Training/Certifications: • ATSSA Traffic Control Technician • ATSSA Traffic Control Supervisor • ATSSA Certified Flagger		
Active registration number / state / expiration date	PE: #20162 / LA / 03-31-2026; PLS: #4670 / LA / 03-31-2026		
Year registered	PE: 1981; PLS: 1992	Discipline	Civil; PLS
Contract role(s) / brief description of responsibilities	Traffic Control Plans		
Bruce has been involved in a variety of survey projects with experienced in civil engineering, project management, construction administration and management, and cost estimating. Specific areas of expertise include drainage improvements, land surveying and flood control. Bruce has supervised up to five survey crews at GOTECH, Inc. working on a variety of public and private contracts such as contracts with LaDOTD, USACE, Federal Aviation Administration, Parish governments and New Orleans Sewerage and Water Board.			
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).		
04/15-Ongoing	<b>LaDOTD, Acadian Road Roundabout, LA 20 and Local Routes, Thibodaux, Louisiana.</b> Engineering and survey manager providing professional supervision and project management oversight for the ROW mapping services to support parcel acquisition required for design of a new road roundabout. Project included field property surveys performed to LaDOTD survey standards and parcel title work reviews of affected properties. Final ROW map and parcel description deliverables, along with MicroStation parcel mapping files, were reviewed and submitted in accordance with established LaDOTD location and survey delivery requirements.		
10/17-03/18	<b>LaDOTD, I-10 at Morrison Road Interstate Lighting, Orleans Parish, Louisiana.</b> Engineering and surveyor manager with supervision and project management of topographic surveys to support various interstate lighting design projects. The projects included static global positioning system (GPS) control surveys and topographic field surveys performed to LaDOTD survey standards within the full limits of the highway interchange. The survey field information gathered included roadway surface features, drainage structures, designated subsurface utility locations and structure data on elevated portions of the interstate bridge overpass. Final deliverables and MicroStation mapping files were certified and submitted in accordance with established LaDOTD location and survey delivery requirements.		
02/14-11/16	<b>LaDOTD, LA 431 at LA 934 Intersection Improvements, Ascension Parish, Louisiana.</b> QC reviewer for LA 431/934 intersection improvements. GOTECH, Inc. provided topographic surveying and mapping services for the project. The work was located in Ascension Parish on what are currently two-lane highways with narrow shoulders and adjacent open ditch drainage. Field crews obtained field data in a format that was used in MicroStation CADD drawings with Inroad's software. The firm also mapped the data in an AutoCAD version for the designers to use. The topographic map showed existing features as pavement, ditches, culverts, lighting, signs, utility poles, traffic controls, driveways and other utilities. An existing drainage map for the project was also developed. The watershed covered approximately 25 acres of contributing drainage area.		

**Bruce Dyson, PE, PLS**

10/12-12/14	<b>LaDOTD, I-10 (LA 30 to LA 22), Ascension Parish, Louisiana.</b> QC reviewer for the I-10 project, which included a segment of I-10 from LA 30 to LA 22. Cross sections were taken from ROW line to ROW line to provide data for the Interstate widening design. Overpass details were obtained to show bridge details, bent locations, piling spacing and clearance dimensions.
09/07-09/13	<b>LaDOTD, New Orleans Submerged Streets Repair, Jefferson and Orleans Parish, Louisiana.</b> Engineering coordinator for this permanent repair to federal aid eligible roads as a result of damage due to Hurricane Katrina in 2005. Topographic surveying, preliminary and final roadway plans and construction support for the project streets were provided.
02/06-08/11	<b>LaDOTD, LA 10 John James Audubon Mississippi River Bridge DB, St. Francisville, Louisiana.</b> Assistant design engineer who performed QC reviews on the construction documents. The cable-stayed bridge structure crossed the Mississippi River linking the St. Francisville area with the New Roads community. Approximately 3.5 miles of mainline and side road network were designed. The project involved intersection designs, drainage analysis, alignment geometric designs, profile/grade analysis and cost estimating.

## 16. Staff Experience

Firm employed by:  **GOTECH, INC.**  
Consulting Engineers

Name	<b>Robert Alan Price, PLS</b>		Years of relevant experience with this employer	5
Title	Chief Engineer		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		MS / 2009 / Engineering and Technology Management BS / 1997 / Survey and Mapping BS / 1993 / Industrial Technology and Building Construction Additional Training/Certifications: • ATSSA Traffic Control Technician • ATSSA Traffic Control Supervisor • ATSSA Certified Flagger		
Active registration number / state / expiration date		PLS: #4889 / LA / 03-31-2026		
Year registered	1992	Discipline	PLS	
Contract role(s) / brief description of responsibilities		Survey and Advanced Measurements <b>MPR 11</b>		
Robert is a licensed land surveyor with more than 20 years of experience in land surveying and mapping, project management and personnel management. He has provided surveying and utility location designation support for pipeline, road improvement, liquefied natural gas (LNG) facilities, oil and gas well locations and private 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).			
04/15-Ongoing	<b>LaDOTD, Acadian Road Roundabout, LA 20 and Local Routes, Thibodaux, Louisiana.</b> PLS who provides professional supervision and project management oversight for the ROW mapping services to support parcel acquisition required for design of a new road roundabout. This project includes field property surveys performed to LaDOTD survey standards and parcel title work reviews of affected properties. Final ROW map and parcel description deliverables, along with MicroStation parcel mapping files, were reviewed and submitted in accordance with established LaDOTD location and survey delivery requirements.			
10/17-Ongoing	<b>Ascension Parish, Move Ascension Henry Road Safety Widening (LA-73 Tillotson Road/Akins Road), Ascension Parish, Louisiana.</b> Project manager providing topographic surveying and mapping services to support the design and ROW acquisition for the Move Ascension Henry Road widening project. Project surveys were in support of new design to widen approximately 8 miles of roadway in Ascension Parish.			
04/18-06/18	<b>LaDOTD, Local Road Safety Program/Safe Routes to School Peltier Park Sidewalks, Thibodaux, Louisiana.</b> Survey project manager managing the topographic survey to support design for various sidewalk, driveway and handicapped curbed ramp improvements along the perimeter of Peltier Park. Project field activities included a 2,400-linear foot existing conditions and utility survey utilizing LaDOTD electronic data collection standards. Final deliverables for the project consisted of a detailed plan and profile sheets drawn for the project alignment.			
05/17-07/17	<b>LaDOTD, I-55 at LA 22 Interchange Lighting, Tangipahoa Parish, Louisiana.</b> Survey project manager who professionally managed the topographic and utility location survey services in support of design plans and specifications for the I-55 at LA 22 Interchange Lighting. Survey crews conducted a complete topographic, elevation and utility survey within the entire limits of the I-55 Interchange with LA 22. The topographic survey included data collected on the highway crossing exit/entrance ramps and elevated overpasses in addition to the location of both above ground and subsurface utilities required to facilitate design of lighting structures. All final deliverables were certified and submitted in strict accordance with LaDOTD location and survey standards.			



**Robert Alan Price, PLS**

10/17-03/18	<b>LaDOTD, I-10 at Morrison Road Interstate Lighting, Orleans Parish, Louisiana.</b> PLS who provided oversight with supervision and project management of topographic surveys to support various interstate lighting design projects. The projects included static GPS control surveys and topographic field surveys performed to LaDOTD survey standards within the full limits of the highway interchange. The survey field information gathered included roadway surface features, drainage structures, designated subsurface utility locations and structure data on elevated portions of the interstate bridge overpass. Final deliverables, and MicroStation mapping files were certified and submitted in accordance with established LaDOTD location and survey delivery requirements.
08/03-10/07	<b>LaDOTD, US 165 (Georgetown to Tullos), Grant and LaSalle Parishes, Louisiana.</b> Survey coordinator responsible for deed research and property monument recovery in connection with the property survey along a 6-mile section of the existing US 165 roadway from Georgetown to Tullos. The survey consisted of locating and re-tracing the boundary lines of approximately 100 property owners. Several restorations of public land survey corners were undertaken as required in the determination of boundary lines.



## 16. Staff Experience

Firm employed by:



Name	<b>Brent Campbell</b>	Years of relevant experience with this employer	12
Title	Group Leader - Advanced Measurements	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2013 / Construction Management		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Survey and Advanced Measurements		
Brent brings over a decade of experience using terrestrial and mobile/aerial LiDAR systems and accompanying post-processing and extraction software. He has widespread experience managing and overseeing execution of projects involving advanced data capture techniques including LiDAR, photogrammetry, multibeam bathymetry and aerial imagery.			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/21-12/22	<b>LaDOTD, I-10 Calcasieu River Bridge, Calcasieu Parish, Louisiana.</b> Group leader responsible for Mobile LiDAR acquisition and Mobile LiDAR extraction efforts. This project is located in a high-traffic industrial area along I-210 and is approximately 7 miles long. Forte & 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 a 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	<b>East Baton Rouge Parish, US 190 Livingston Parish Line, East Baton Rouge Parish, Louisiana.</b> Group leader responsible for management and QA/QC of performing Mobile LiDAR and extraction for project providing topographic survey. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements. Mobile LiDAR was utilized, as a means to obtaining topographic data without endangering surveyors.		
10/18-05/19	<b>St. James Parish, Sunshine Bridge Repair, St. James Parish, Louisiana.</b> 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. Created a set of plans to document the damage, which contained detailed information on structural strain and inconsistencies from the original plans. Assisted in scanning for incremental bridge movement as well as monitoring bridge movement as LaDOTD worked on members to place new beams using Faro Scene and MicroStation.		
11/19-12/20	<b>LaDOTD, I-10 Calcasieu River Bridge Repairs, Calcasieu Parish, Louisiana.</b> Group leader responsible for the management, 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 substructure. Performed mobile LiDAR for future planning in addition to the terrestrial scans.		
1/16-02/18	<b>LaDOTD, I-49 Connector, Lafayette Parish, Louisiana.</b> LiDAR technician responsible for providing terrestrial LiDAR survey of roadway features for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte & Tablada completed terrestrial LiDAR scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.		
06/19-09/19	<b>LaDOTD, US 90 Danziger Bridge Repair, Orleans Parish, Louisiana.</b> Project manager responsible for topographic and monitoring survey and terrestrial LiDAR scanning of Danziger Bridge. This survey was necessary due to damage of joints, deck and girder ends of the fixed spans on both sides of the bridge.		

**Brent Campbell**

10/19-10/20	<b>LaDOTD, Inspection of Metal Culverts, Statewide, Louisiana.</b> Group leader responsible for the management and QA/QC for inspections and data acquisition for approximately 230 culvert locations statewide. Culvert measurements were acquired with a mixture of 3D laser scanning, sonar and LiDAR.
01/18-06/19	<b>LaDOTD, I-10 (LA 415 to Essen Lane to I-10 and I-12), East and West Baton Rouge Parishes, Louisiana.</b> Project manager responsible for scanning efforts for topographic survey of approximately 5 miles of roadway along I-10 and I-12 between Louisiana State University lakes and Essen Lane. This survey was part of a larger project that extended west to LA 415 and included a team of four survey firms to complete the work on schedule.
05/17-10/18	<b>LaDOTD, LA 23 Judge Perez Bridge, Belle Chasse, Louisiana.</b> Project manager overseeing terrestrial LiDAR and hydrographic survey efforts for comprehensive topographic surveying for the Belle Chase Bridge and Tunnel Replacement project. A survey was performed utilizing traditional methods, terrestrial laser scanning of roadway, bridge and tunnel features and multi-beam hydrographic surveying of the Algiers Canal and exterior features of the existing tunnel.
03/21-12/21	<b>MOVEBR, Florida Boulevard Corridor Enhancement, East Baton Rouge Parish, Louisiana.</b> Mobile LiDAR technician responsible for assisting with capturing mobile data. Responsible for processing and extracting the Mobile LiDAR data. This project is in a dense urban area and is approximately 4 miles long. Forte & Tablada completed mobile LiDAR services for much of the congested corridor as a means of obtaining topographic data without endangering surveyors.
10/12-03/13	<b>LaDOTD, I-10 (Highland to LA 73), East Baton Rouge and Ascension Parishes, Louisiana.</b> Terrestrial LiDAR technician responsible for assisting with scanning of bridges as well as processing and extracting topographic information. This project was a topographic survey of approximately 7 miles to widen the interstate. Terrestrial LiDAR was utilized on all bridges as a means to obtaining topographic data without endangering surveyors.
10/22-12/22	<b>Lafayette Parish, Lafayette Streetscape Survey, Lafayette Parish, Louisiana.</b> Group leader responsible for planning and execution of performing mobile LiDAR and extraction for approximately 1 mile of roadway along Congress Street. This survey included mobile LiDAR scanning of all roadway features as a means of obtaining topographic data without endangering surveyors.
12/19-09/20	<b>LaDOTD, Bayou Terrebonne Bridges, Terrebonne Parish, Louisiana.</b> Group leader for LiDAR survey efforts of the topographic survey of the Bayou Terrebonne Bridges and surrounding area, at the intersection of LA 182 and Bayou Terrebonne. The survey included hydrographic survey of the bayou, and terrestrial LiDAR scanning of all bridge and roadway features.
08/22-09/22	<b>LaDOTD, Leonard Road Farm and Cupples Port Aerial Lidar, Shreveport, Louisiana.</b> Group leader responsible for overall management and QA/QC of aerial LiDAR on over 700 acres.

## 16. Staff Experience

Firm employed by:



Name	Robert Lanterman, PCS		Years of relevant experience with this employer	22
Title	Senior Coatings Consultant		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BE / 1999 / Chemical Engineering Additional Training/Certifications: • SSPC Certified PCS • NACE Bridge Coating Inspector Level 3 • TWIC Certification		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Painting and Coating MPR 6		
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/24-04/24	LaDOTD, US 190 Krotz Springs Bridges, Baton Rouge, St. Landry Parish, Louisiana. Performed document review and coating condition assessment services for the US 190 Krotz Springs Bridges (eastbound and westbound). Prepared a report detailing the findings of the assessment and providing recommendations for the maintenance of the coating system.			
03/22-03/22	South East Philadelphia Transportation Authority (SEPTA), Market Street Frankford Elevated Viaduct, Philadelphia, Pennsylvania. Evaluated the existing coating condition (visual examination, coating thickness and adhesion measurements, substrate examination and coating sample procurement) on the eastern end of the Market Street Frankford Elevated Viaduct. Provided recommendations on appropriate maintenance strategies, opinions of probable construction cost, modification of the existing SEPTA surface preparation and coating application specifications for use in bidding the work to prospective contractors.			
09/21-12/21	LaDOTD, LA 47/IWGO "Green Bridge", Baton Rouge, Louisiana. Performed a coating condition assessment and assisted with the development of surface preparation, coating application, environmental/worker protection and containment specifications/drawing notes for the rehabilitation of the IWGO Bridge.			
02/20-05/20	LaDOTD, Jackson Street Lift Bridge, Alexandria, Louisiana. Provided coating condition assessment services, supervision of coatings laboratory testing and report preparation for the rehabilitation of the coating system on the Jackson Street Lift Bridge.			
03/17-05/17	LaDOTD, US 90 Morgan City Bridge and Nearby Structures, Morgan City, Louisiana. Performed a coating condition assessment, supervised coatings laboratory testing and prepared a report with recommendations for the rehabilitation of the coating system on this bridge. KTA was a subconsultant to HNTB.			
02/17-03/17	LaDOTD, I-310 Luling Mississippi River Bridge, Luling, Louisiana. Performed a coating condition assessment of the weathering steel towers and girders and prepared a report detailing the conditions found and providing recommendations for the remediation of the corrosion problems. KTA was a subconsultant to HNTB.			



# Section 17

Firm Experience

## 17. Firm Experience

Firm name	<b>HNTB</b>		Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>IDIQ CONTRACT FOR BRIDGE INSPECTION SERVICES (TRUSS)</b>		Firm responsibility (prime or sub?)	Prime
Project number	4400005960, 4400013321, 4400023512	Owner's name	LaDOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Stephanie Doolittle, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1329 / stephanie.doolittle@la.gov			
Services commenced by this firm (mm/yy)	03/16	Total consultant contract cost (\$1,000's)	\$10,259	
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$5,940	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				

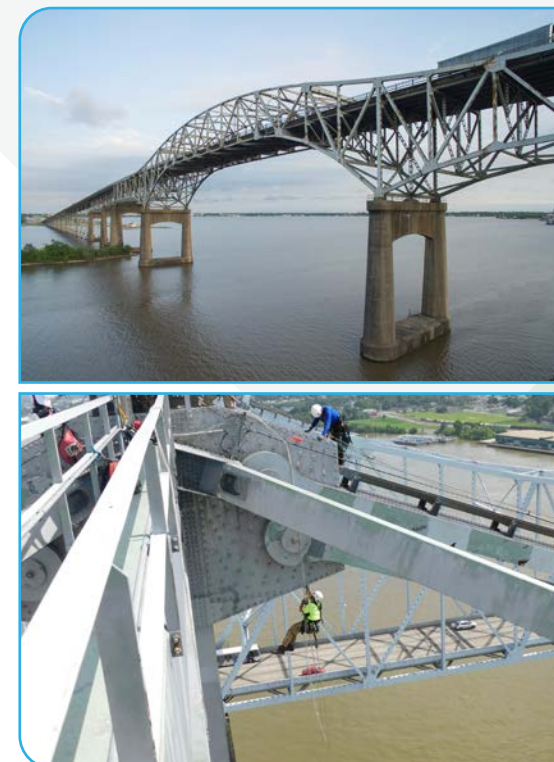
HNTB has conducted NBIS in-depth, routine and fracture critical inspections on truss structures throughout the state of Louisiana. These inspections follow LaDOTD and FHWA guidelines for routine and for in-depth hands-on inspection of all elements of the cantilevered truss members, deck truss members, floor beams, stringers, deck, columns and caps, and other miscellaneous components above the ground or water line. The inspections have also included ultrasonic testing of critical pins as well as coating assessments.

- » **I-10 Calcasieu River Bridge (2016, 2021 and 2023)**
- » **I-10 Baton Rouge Mississippi River Bridge (2016, 2020, 2022 and 2024)**
- » **US 190 Baton Rouge Mississippi River Bridge (2023)**
- » **GNO US 90B Eastbound Mississippi River Bridge (2022)**
- » **GNO US 90B Westbound Mississippi River Bridge (2022)**
- » **LA47/IWGO "Green Bridge" (2021)**
- » **US 90 Atchafalaya Mississippi River Bridge (2017)**

Truss inspections utilized specific inspection access techniques necessary to properly conduct work and limit the impact to the traveling public. Snooper truck access, boat access, man-lift and SPRAT-certified rope access were all employed where necessary.

Following the inspection field work, HNTB prepared inspection reports in accordance with FHWA and LaDOTD guidelines. Inspection reports were input into LaDOTD's current inspection reporting system (Pontis, InspectTech and InspectX). When needed, HNTB developed repair and rehabilitation recommendations and plans.

**Key Staff:** Patrick Roth, Todd Dustin Bastion, Joshua Porter, Benjamin Goodner, Nicholas Hart, Marc Hoffmann, Zachary Reineke, Lars Jensen, Kaitlyn Kolbo, Aldon Mury





## 17. Firm Experience

Firm name	<b>HNTB</b>	Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>IDIQ CONTRACT FOR BRIDGE INSPECTION SERVICES (CABLE-STAYED)</b>		Firm responsibility (prime or sub?) Prime
Project number	4400005960, 4400013321, 4400023512	Owner's name	LaDOTD
Project location	Statewide, Louisiana	Owner's Project Manager	Stephanie Doolittle, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1329 / stephanie.doolittle@la.gov		
Services commenced by this firm (mm/yy)	03/16	Total consultant contract cost (\$1,000's)	\$3,797
Services completed by this firm (mm/yy)	06/24	Total consultant services provided by this firm (\$1,000's)	\$2,467
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

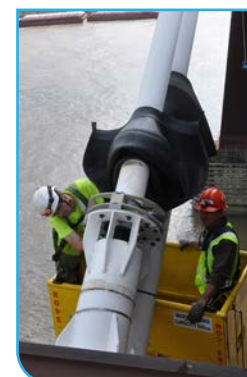
As part of HNTB's current and previous complex bridge inspection retainers, HNTB has completed multiple NBIS in-depth inspections for the following:

- » **I-310 Luling Mississippi River Bridge (2017, 2021 and 2023):** Third oldest cable-stayed bridge in North America and the first cable-stayed bridge to have all the cables replaced
- » **LA 10 John James Audubon Mississippi River Bridge (2016, 2020, 2022 and 2024):** 3,185-foot-long cable-stayed bridge with 1,583-foot main span built in 2011

HNTB is required to be within hands reach of every member as well as to have an understanding of how complex cable-stayed bridges behave. On newer cable-stayed bridges, dampers are installed to help prevent cables from osculating. The LA 10 John James Audubon Bridge and I-310 Luling Mississippi River Bridge have dampers on the cables near the deck and the towers. HNTB was responsible for the dismantling, inspection and reassembly of 25% of the cable friction dampeners, tension testing of 10 cables, hands-on inspection of 100% of all cables via rope access, hands-on inspection of Pier 1 (west and east towers) via rope access and a topographic survey of the structure. With towers in excess of 400 feet tall, cable-stayed bridges provide a unique challenge when it comes to access, with rope access being the most economical way to complete an inspection.

HNTB used rope access to inspect the outside face of the tower, friction dampers at the tower face and length of the cables. Throughout the inspection and report writing, HNTB inspectors worked with designers who have experience in cable-stayed bridge design. By doing so, the inspection team was able to focus on deficiencies that could affect the long-term performance of the bridge and advise owners on what corrective actions might need to be taken.

**Key Staff:** Patrick Roth, Todd Dustin Bastion, Joshua Porter, Benjamin Goodner, Nicholas Hart, Marc Hoffmann, Zachary Reineke, Lars Jensen, David Ball, Aldon Murry





## 17. Firm Experience

Firm name	<b>HNTB</b>		Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>COMPLEX MOVABLE BRIDGES NBIS IN-DEPTH INSPECTIONS</b>		Firm responsibility (prime or sub?)	Prime
Project number	44000005960 Task Order 4, 5 and 6	Owner's name	LaDOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Haylye Brown, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1500 / haylye.brown@la.gov			
Services commenced by this firm (mm/yy)	04/17	Total consultant contract cost (\$1,000's)	\$1,500	
Services completed by this firm (mm/yy)	10/18	Total consultant services provided by this firm (\$1,000's)	\$944	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				

As part of HNTB's complex bridge inspection retainer, HNTB was tasked with the NBIS in-depth element level inspection of several movable bridges including LA 23 Judge Perez Bridge, LA 1 Bridge over Company Canal, US 90 Danziger Bridge, Senator Ted Hickey Bridge and Claiborne Avenue Bridge.

The inspection followed LaDOTD and FHWA guidelines for an in-depth inspection with hands-on inspection of all fracture critical elements of the deck, superstructure and substructure that are above ground or above the water line. In addition, all mechanical and electrical equipment was inspected by licensed professional engineers. Access to the superstructure and the substructure was achieved by employing various equipment including snoopers, manlifts, rope access and lane closures with traffic control.

- » **LA 1 Lockport Bridge (2017):** 370-foot steel vertical lift bridge
- » **LA 23 Judge Perez Bridge (2018):** 2,564-foot structure with 150-foot steel vertical lift span over the intracoastal waterway
- » **US 90 Danziger Bridge (2018):** 3,720-foot structure with 320-foot steel vertical lift span over the IHNC
- » **Senator Ted Hickey Bridge (2018):** 1,942-foot structure including a 170-foot double leaf bascule span over the IHNC
- » **Claiborne Avenue Bridge (2018):** 1,534-foot structure with a 360-foot steel truss vertical lift span over the IHNC

**Key Staff:** Patrick Roth, Todd Dustin Bastion, Benjamin Goodner, Nicholas Hart, Marc Hoffmann, Daniel Appelbaum, Michael "Cody" Miller, Paul Hunter



**17. Firm Experience**

Firm name	<b>HNTB</b>	Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>HERNANDO DE SOTO BRIDGE (I-40) OVER THE MISSISSIPPI RIVER</b>	Firm responsibility (prime or sub?)	Prime
Project number	110721, Task Order 188	Owner's name	ArDOT
Project location	West Memphis, Arkansas and Memphis, Tennessee	Owner's Project Manager	Mike Fugett, PE
Owner's address, phone, email	P.O. Box 2261, Little Rock, Arkansas 72203 / (501) 569-2301 / mike.fugett@ardot.gov		
Services commenced by this firm (mm/yy)	05/21	Total consultant contract cost (\$1,000's)	\$2,652
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$1,749
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

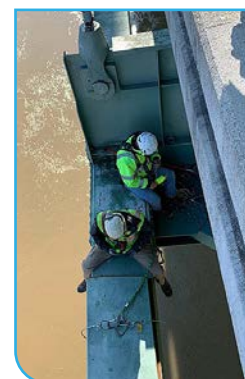
On the afternoon of May 11, 2021, during a routine inspection performed by ArDOT of the back-to-back, 900-foot, tied-trussed arch bridge unit over the Mississippi River, a significant fracture in a section of the fracture critical tie girder was found. This fracture required immediate closure of the span, both to vehicles on the bridge and navigation traffic on the river below. ArDOT requested that HNTB engage immediately with on-site presence to evaluate the fracture and provide subsequent engineering services to assist the department with evaluation of the criticality of the fracture and repairs necessary to re-open the bridge to traffic.

Within hours, HNTB was on-site with a team of engineers, including an NHI-certified FCM inspection team leader, to evaluate the fracture and provide an assessment. The investigation concurred with the immediate closure of the bridge. HNTB mobilized and performed emergency fracture critical member inspection and structural assessment in seven days. The team then 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.

HNTB worked closely with ArDOT, TDOT, TDOT's consultant and the contractor engaged to implement the emergency repairs. In Phase 1, a temporary stabilizing repair was put in place by May 25. However, this repair was not designed to carry live loads. The Phase 2 repair design was completed by June 4 with implementation during the month of June.

Additionally, HNTB was selected to perform both routine and FCM inspections to confirm that no additional critical issues exist prior to re-opening the bridge to traffic. These inspections are currently being performed with both Under bridge inspection vehicles and with rope access. PAUT is being performed on all welds in the fracture critical tie girder.

**Key Staff:** Patrick Roth, Nicholas Hart, Marc Hoffmann, Kaleb Hawk, Loren "LJ" Dickens, Lars Jensen, Kaitlyn Kolbo



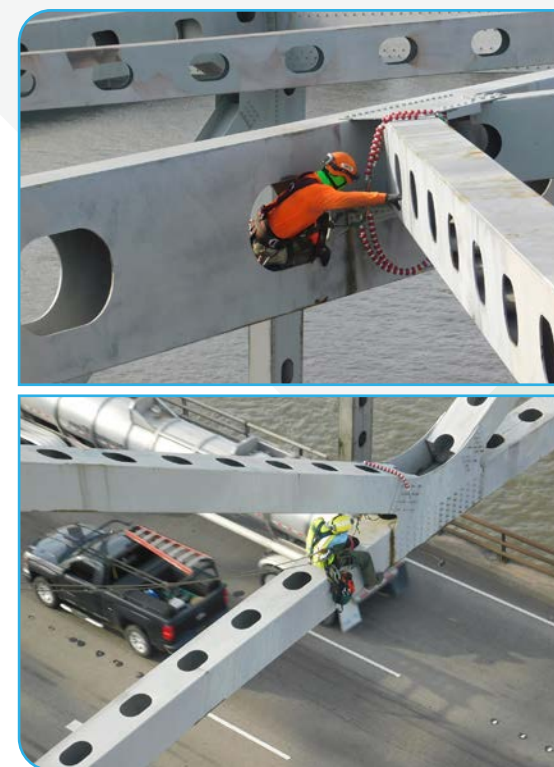
17. Firm Experience				
Firm name	<b>HNTB</b>		Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>I-10 BATON ROUGE MISSISSIPPI RIVER BRIDGE (2016, 2020, 2022 AND 2024) NBIS IN-DEPTH, ROUTINE AND FRACTURE CRITICAL BRIDGE INSPECTION</b>		Firm responsibility (prime or sub?)	Prime
Project number	44000005960 Task Order 1 , 4400013321 Task Order 2 and 4, 4400023512 Task Order 6	Owner's name	LaDOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Stephanie Doolittle, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana 70802 / (225) 379-1329 / stephanie.doolittle@la.gov			
Services commenced by this firm (mm/yy)	06/16	Total consultant contract cost (\$1,000's)	\$3,902	
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$2,256	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				


HNTB is currently under contract to assist the LaDOTD in completing NBIS in-depth and element level inspections of complex long-span and movable bridges and structures from 2016 through 2027. Bridge types inspected include cable stayed, cantilever truss, movable, PPC girders, deck truss and steel trestle bents.

The I-10 Baton Rouge Mississippi River Bridge is a 4,550-foot-long cantilever and deck truss. This inspection followed LaDOTD and FHWA guidelines for an in-depth inspection with hands-on inspection of all elements including cantilever truss members, deck truss members, floor beams, stringers, deck and other miscellaneous components that are above ground or above the water line. The 2016 inspection also included ultrasonic testing of fracture critical pins and a coating assessment. Upon completion of the inspections, HNTB has prepared inspection reports in accordance with LaDOTD and FHWA requirements, as well as developed recommendations for maintenance and rehabilitation.

This structure required unique coordination due to the volume of traffic constantly present on the structure. In 2020, the LaDOTD asked HNTB to reduce impacts to the traveling public by reducing the number of lane closures. The HNTB team used rolling drop offs to deploy up to 15 rope access-trained inspectors in several teams throughout the structure, resulting in no lane closures and minimized traffic delays, reduced costs and on-schedule delivery. **We were able to inspect over 95% of the bridge with zero lane closures, requiring only short one-day closures on the weekend. In addition, the contracted fee has been reduced each inspection cycle and the final invoiced amount has regularly been 15% below budget.**

**Key Staff:** Patrick Roth, Todd Dustin Bastion, Benjamin Goodner, Nicholas Hart, Marc Hoffmann, Kaleb Hawk, Loren "LJ" Dickens, Lars Jensen, Kaitlyn Kolbo, Matthew Stieglitz, Ricardo Martinez, Jr., Aldon Mury




17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>IDIQ CONTRACTS FOR IN-DEPTH BRIDGE INSPECTION</b>		Firm responsibility (prime or sub?) Subconsultant
Project number	4400023512	Owner's name	LaDOTD
Project location	Statewide, Louisiana	Owner's Project Manager	Stephanie Doolittle, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1329 / stephanie.doolittle@la.gov		
Services commenced by this firm (mm/yy)	06/22	Total consultant contract cost (\$1,000's)	Unknown
Services completed by this firm (mm/yy)	06/27	Total consultant services provided by this firm (\$1,000's)	\$276
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

Moffatt & Nichol is part of a team responsible for performing in-depth inspections of complex and movable bridges statewide utilizing an IDIQ quantity contract. The firm has served as a subconsultant on two additional five-year retainer contracts to different prime consultant firms. Under all three contracts, all statewide inspections of in-service bridges have been completed in accordance with the FHWA BIRM, AASHTO MBE, AASHTO BEIM and LaDOTD BIM. NBIS inspection types generally include in-depth with NDE, routine and Naval Ships' Technical Manual with optional underwater, damage and special inspections. Structure types include cantilever trusses, cable-stayed bridges, steel vertical lift bridges and plate girder bascule bridges. Tasks primarily include providing bridge inspections along with specialty access techniques such as SPRAT, UAS and ADCI. The comprehensive in-depth reports included a detailed summary of the rope access inspection methodology, inspection findings of current conditions and noted deficiencies, field notes, photographs and video, bridge element ratings, quantity verifications and QA reviews. Representative tasks include:

- » **LA 10 John James Audubon Mississippi River Bridge:** Moffatt & Nichol has completed its third consecutive inspection to perform routine and in-depth NBIS inspection of 1,583-foot-long cable stayed portion of this bridge consisting of three spans with 136 main cables and two 405-foot-tall concrete suspension towers (two legs per tower).
- » **I-310 Luling Mississippi River Bridge:** Moffatt & Nichol is scheduled to complete their second in-depth and routine inspection of all bladders at the upper Gensui Dampers and at the lower friction dampers at 72 cables. Professional rope access is used to safely access each cable within arm's reach.
- » **I-10 Horace Wilkinson Mississippi Bridge:** Moffatt & Nichol is on its third consecutive inspection to perform in-depth, routine and fracture critical NBIS inspection of main truss spans. Professional rope access techniques were used to safely access each non-redundant steel tension (NSTM) member. The team is evaluating previous deficiencies and ratings for a worsening condition or a rate of deterioration to properly schedule and advise repairs as needed. These inspections no longer need a lane closure while maintaining a high level of safety for the inspection team and the traveling public. Similar long span cantilever truss, through truss, deck truss, and steel arch truss bridges include:
  - » GNO Cantilever Truss Bridges
  - » LA 47/IWGO "Green Bridge"
  - » US 190 Baton Rouge Mississippi River Bridge
  - » I-10 Calcasieu River Bridge
- » **Indian Village Bridge:** Moffatt & Nichol performed the complete in-depth inspection of this 302-foot-long, two-lane structure with 10 spans, which included the mechanical and electrical systems; examined general operation, open gearing, speed reducers, shafts, shaft bearings/shaft couplings, hydraulic power units, hydraulic piping system, hydraulic cylinders/motors/rotary actuators, machinery base, access ladder/platforms, balance wheel, tracks and barriers. Similar swing span movable bridges include:
  - » LA 77 over Bayou Grosse Tete
  - » LA 56 over Boudreaux Canal
  - » LA 324 over Bayou Teche
- » **LA 8 Segmental Bridge:** Moffatt & Nichol performed a topside inspection of approach spans, bridge approaches, external portions of segmental precast concrete box girder bridge and general site. A non-permit confined space entry was completed via the alternative method consisting of ventilation and continual air monitoring.

**Key Staff:** Chace Hulon, Charles Balzarini, Matthew Balzarini, Bryan Tyson, Mike Russell, Christopher Eschenbach, Clint Harr, Kimberly Gravatt, Stephanie Athanas, Yehoshua "Josh" Gilad, Rodney Trammell, Jeffrey Gazarek




17. Firm Experience				
Firm name			Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>BIM UPDATE 2022 (IDIQ FOR BRIDGE INSPECTION SERVICES)</b>		Firm responsibility (prime or sub?)	Subconsultant
Project number	4400023512	Owner's name	LaDOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Stephanie Doolittle, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1329 / stephanie.doolittle@la.gov			
Services commenced by this firm (mm/yy)	02/23	Total consultant contract cost (\$1,000's)	Unknown	
Services completed by this firm (mm/yy)	12/24	Total consultant services provided by this firm (\$1,000's)	\$199	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				

Following the BIM publication, Moffatt & Nichol is leading the development of major updates to the LaDOTD BIM, a separate off-system directive and the development of the Coding and Field Guide in accordance with Department policy updates, the 2022 NBIS Final Rule publication and the SNBI publication. Project involves five tasks – project management, progress meetings, technical research/writing, QC review and rollout presentations/training. A team of SMEs contributed to the development and reviews at periodic milestones. Moffatt & Nichol collaborated with LaDOTD staff throughout the development to manage expectations and maintain direction. In-person progress meetings occurred monthly that included various District bridge engineers throughout the state. The manual is compliant with the NBIP Program (23 metrics and three new metrics). The publications will be thoughtfully organized, systemically sequenced and interactively navigable with an appendix to store all vital forms for the Bridge Inspection Program. Following delivery, acceptance and publishing, a training module will be designed and delivered to all LaDOTD District personnel. Moffatt & Nichol has been retained for five years to provide annual updates as needed.

Under a previous contract directly with LaDOTD, Moffatt & Nichol developed the first comprehensive BIM for LaDOTD Bridge Program (completed in 2020). The BIM consolidated all previous policies, directives, memorandums, manuals and forms into a single, centralized reference manual as well as aligned the goals of the Headquarters Bridge Inspection Office with those of all nine LaDOTD Districts. The manual fostered better communication and quality management between LaDOTD project managers, their consultants and local bridge owners. It was designed to be used electronically as a reference file which could be stored on field tablets making it accessible to all LaDOTD bridge inspection team leaders. The BIM included nine chapters that were sequenced to reflect the stages of a bridge inspection project and included hyperlinks throughout for quick reference to vital documents.

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

17. Firm Experience				
Firm name			Past Performance Evaluation Discipline(s)	Bridge
Project name	UNDERWATER BRIDGE INSPECTIONS		Firm responsibility (prime or sub?)	Prime
Project number	400003533, Task Order 2	Owner's name	LaDOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Heather Deare, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1306 / Heather.deare@la.gov			
Services commenced by this firm (mm/yy)	06/22	Total consultant contract cost (\$1,000's)	\$2,402	
Services completed by this firm (mm/yy)	08/25	Total consultant services provided by this firm (\$1,000's)	\$1,419	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				

Moffatt & Nichol is currently working on its third consecutive retainer contract with LaDOTD to perform underwater inspections throughout Louisiana. Moffatt & Nichol provides Level I, II and III inspections of submerged bridge components in accordance with the FHWA BIRM, AASHTO MBE, AASHTO BEIM, the LaDOTD BIM, current NBIS and SNBI requirements. This second task order consists of 476 bridges of all types, including small to mid-sized waterways along with nine bridges passing through large swamps and bayous that vary between three and 22 miles long (I-55 Manchac Bridges), 15 culverts and four bridges crossing over large waterways (Mississippi River, Prien Lake, and Whiskey Bay Channel). Underwater inspections also included movable swing span, vertical lift and bascule bridges, timber trestle bridges and signature bridges with deep caissons. The project also includes the inspection of culvert inspections consisting of concrete boxes and CMPs. These have been accessed using both remotely operated vehicles (ROVs) and surface supplied divers. Moffatt & Nichol has efficiently inspected these bridges using a combination of shore entry, small to mid-sized boats with low profiles and larger 25-30-foot work boats, completing all inspections on or ahead of schedule.

Moffatt & Nichol has safely performed underwater dive inspections and emergency damage assessments while augmenting 2D and 3D SONAR technologies and adhering to NBIS. The dive team captures images and bathymetric data utilizing high-resolution side scan SONAR units and multibeam sonar technology. High-resolution images and point cloud data of bridges piers/bents are collected in high-risk environments to identify channel bottom conditions and structural deterioration.

Scour evaluations (inherent to underwater inspections) are vital to the inspection and report process. All inspector-divers and UAI technicians are trained to observe soundings near submerged substructure units, channel migration/alignment, bank erosion, channel bed material, condition of scour protection structures and channel training devices, flow velocity, timber debris quantity and location, major changes in watershed and hydraulic capacities from upstream development and construction. The team reviews all conditions in real-time on site to establish a rate of scour and erosion for effective prioritization of repairs and development of scour plans of action for monitoring. Moffatt & Nichol's prior underwater bridge contracts have involved:

- » **IDIQ Contract for Underwater Bridge Inspection:** Moffatt & Nichol has and continues to provide underwater inspection on more than 838 bridges located throughout the state.
- » **Retainer Contract for Underwater Bridge Inspection:** Moffatt & Nichol provided underwater inspection on more than 668 bridges located throughout the state.
- » **Retainer Contract for Underwater Bridge Inspection with the Majority of the Work in Districts 03, 07 and 61:** Moffatt & Nichol provided underwater inspection on more than 506 bridges located primarily in LaDOTD Districts 03, 07 and 61.

**Key Staff:** Chace Hulon, Charles Balzarini, Matthew Balzarini, Bryan Tyson, Christopher Eschenbach, Kimberly Gravatt, Stephanie Athanas, Jeffrey Gazarek, Eric Jones, Kyle Bailey



17. Firm Experience				
Firm name	<b>B&amp;N</b>		Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>COMPLEX BRIDGE RATING ON-SYSTEM TRUSSES AND OTHER COMPLEX BRIDGES</b>		Firm responsibility (prime or sub?)	Subconsultant
Project number	4400023510	Owner's name	LaDOTD	
Project location	Multiple Locations, Louisiana	Owner's Project Manager	Stephanie Doolittle	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / (225) 379-1329 / stephanie.doolittle@la.gov			
Services commenced by this firm (mm/yy)	08/23	Total consultant contract cost (\$1,000's)	\$5,000	
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$400	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				

Burgess & Niple's role included hands-on fracture critical/NSTM and in-depth inspections of multiple on-system trusses, including the main spans of LA 3213 Veterans Memorial Bridge, LA 27 Gibbstown Intercoastal Waterway, I-20 Mississippi River Bridge and US 79 Texas Street Bridge. The team used specialized, adapted rope access techniques in the field to minimize the need for costly, time-consuming mechanical access and traffic control. Burgess & Niple developed accurate and detailed field notes for all primary truss members and gusset plates. The team also used tablets and digitized notes to streamline and maximize efficiency on all phases of the project including mobilization, field work and reporting. Additionally, Burgess & Niple obtained detailed measurements of section loss, deterioration, misaligned members and other significant deficiencies.

**Key Staff:** Edward Cinadr, Brendan Prendeville, Michael Kronander, James "Drew" Appler



17. Firm Experience				
Firm name	<b>B&amp;N</b>		Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>ODOT ON-SYSTEM TRUSS AND FRACTURE CRITICAL BRIDGE INSPECTIONS</b>		Firm responsibility (prime or sub?)	Prime
Project number	CI-2416	Owner's name	ODOT	
Project location	Statewide, Oklahoma	Owner's Project Manager	Wes Kellogg, PE	
Owner's address, phone, email	200 NE 21st Street, Oklahoma City, OK 73105 / (405) 522-4819 / wkellogg@odot.org			
Services commenced by this firm (mm/yy)	04/23	Total consultant contract cost (\$1,000's)	\$1,122	
Services completed by this firm (mm/yy)	Ongoing	Total consultant services provided by this firm (\$1,000's)	\$1,122	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				

Burgess & Niple is performing NBIS fracture critical routine and in-depth bridge inspections of 42 steel truss and girder bridge structures located throughout the state of Oklahoma, including many major river crossings. Tasks on each structure include inspecting FCMs at arm's length with industrial rope access and modified fall protection techniques, as well as beam rolling of floorbeams to access FCMs and fatigue prone details. Bridges are inspected from a range at which cracks, section loss and loose or missing bolts or rivets can be identified in steel members and cracks larger than hairline can be identified in concrete components. Bearings and bearing seats are accessed at arm's length distance. The team is developing an in-depth narrative for each bridge containing observed conditions, repair recommendations and condition photographs in addition to BrM database reports. Burgess & Niple is also performing magnetic particle, dye penetrant, and/or ultrasonic testing measurements to define the limits of any cracking and very accurately measure significant section loss and other deterioration that affects member capacity. The team is using drones and UAVs to augment inspection capabilities.

**Key Staff:** Edward Cinadr, Brendan Prendeville, Michael Kronander, James "Drew" Appler




17. Firm Experience				
Firm name	<b>B&amp;N</b>		Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>KENTUCKY TRANSPORTATION CABINET (KYTC) OHIO RIVER BRIDGE FRACTURE CRITICAL/NSTM INSPECTIONS</b>		Firm responsibility (prime or sub?)	Prime
Project number	2024-03-2	Owner's name	KYTC	
Project location	Statewide, Kentucky	Owner's Project Manager	Ashley Graves, PE	
Owner's address, phone, email	200 Mero Street, Frankfort, KY 40601 / (502) 564-4556 / dora.alexander@ky.gov			
Services commenced by this firm (mm/yy)	03/24	Total consultant contract cost (\$1,000's)	\$671	
Services completed by this firm (mm/yy)	06/25	Total consultant services provided by this firm (\$1,000's)	\$671	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				

Burgess & Niple has performed more than 80 fracture critical/NSTM and in-depth bridge inspections on 25 Ohio River crossings for KYTC over the course of 15 projects since 2000. Element level data has been collected since 2007. The bridges include three cable stayed structures, two suspension bridges and two tied arch bridges, with the remainder being through truss structures. The scope of work included hands-on access to all fracture critical/NSTM members, fatigue prone details and previously documented deficiencies. Access was primarily through industrial rope access and modified fall protection techniques with mechanical access as needed. The team prepared rehabilitation plans and performed load rating analyses for 10 of these bridges, which included primary truss members, arches, cable-stayed spans and gusset plates. Approximately \$20 million in rehabilitation projects on these bridges have recently been awarded or will be advertised in the next two months.

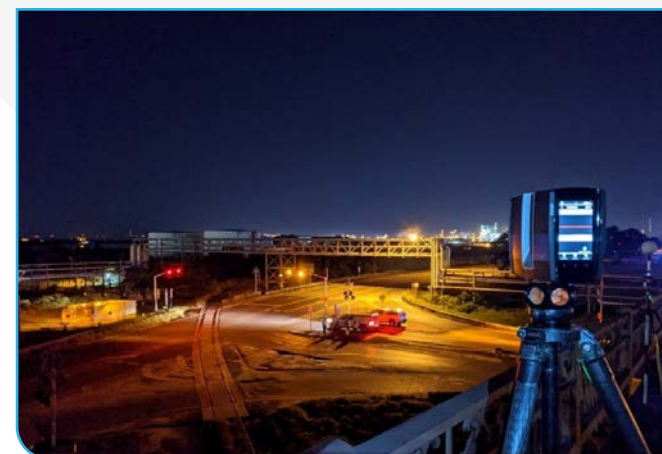
**Key Staff:** Edward Cinadr, Michael Kronander




17. Firm Experience				
Firm name			Past Performance Evaluation Discipline(s)	Survey
Project name	<b>I-10 CALCASIEU RIVER BRIDGE INVESTIGATION</b>		Firm responsibility (prime or sub?)	Prime
Project number	H.012083.5	Owner's name	LaDOTD	
Project location	Calcasieu Parish, Louisiana	Owner's Project Manager	Stanley Ard, PLS	
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802 / (225) 379-1292 / stanley.ard@la.gov			
Services commenced by this firm (mm/yy)	11/19	Total consultant contract cost (\$1,000's)	\$312.4	
Services completed by this firm (mm/yy)	11/20	Total consultant services provided by this firm (\$1,000's)	\$312.4	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				

Forte & Tablada provided laser scanning services for the I-10 Calcasieu River Bridge in Lake Charles. The purpose of this project is to analyze any movement of the substructure and superstructure under varying temperature conditions. Forte & Tablada completed two sets of scans, one in cold weather and the other in hot. These scans were used to determine if there were any significant changes in the structure. 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 substructure. In addition to the terrestrial scans, mobile LiDAR was done for future planning. Forte & Tablada performed a comparative analysis and report of the cold and hot scans upon completion of the field investigations.

**Key Staff:** Brent Campbell



## 17. Firm Experience

Firm name			Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>RETAINER CONTRACT FOR OFF-SYSTEM COMPLEX BRIDGE LOAD RATING</b>		Firm responsibility (prime or sub?)	Prime
Project number	H.009859.5 Task Order No. 1	Owner's name	LaDOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Dana Feng, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1200 / dana.feng@la.gov			
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost (\$1,000's)	\$1,316.8	
Services completed by this firm (mm/yy)	02/19	Total consultant services provided by this firm (\$1,000's)	\$1,136.4	
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 & Tablada was tasked with inspecting and load rating 12 complex off-system complex bridges statewide. The type of bridges included nine movable bridges (including vertical lift and swing-spans), a steel truss bridge, and two ferry access bridges that were composed of steel truss, movable and pontoon spans. Where existing plans were not available, 3D laser scanning was utilized to capture complicated geometry and to assist in the load rating and in the development of bridge load rating plans. The inspection also included the use of an ultrasonic thickness gage to verify member thickness, as well as detailed measurements using laser scan data to determine connection details. The scope of work also included the submittal of an Inspection report and a load rating report in accordance with the requirements of the LaDOTD Bridge Design and Evaluation Manual (BDEM).

**Key Staff:** Joffrey Easley, Levi Yantis





## 17. Firm Experience

Firm name	 <b>GOTECH, INC.</b> Consulting Engineers	Past Performance Evaluation Discipline(s)		Survey
Project name	<b>IDIQ CONTRACT FOR DESIGN OF SAFETY PROJECTS STATEWIDE WITH MAJORITY OF WORK IN DISTRICT 02, 61 AND 62</b>		Firm responsibility (prime or sub?)	Subconsultant
Project number	4400015484	Owner's name	LaDOTD	
Project location	Statewide, Louisiana	Owner's Project Manager	Mark Chenevert, PE	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1591 / mark.chenevert@la.gov		
Services commenced by this firm (mm/yy)	01/20	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	05/20	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.)				

GOTECH provided topographic and utility location survey services in support of design plans and specifications for a complete lighting system for the I-10 at Read Boulevard Interchange in Orleans Parish. Survey crews conducted a complete topographic, elevation and utility survey within the entire limits of the I-10 Interchange with Read Boulevard. The topographic survey also included the location of both above ground and subsurface utilities. In addition, gathered survey data included information on the highway crossing exit/entrance ramps and elevated overpasses to facilitate lighting designs under elevated portions of I-10. All final deliverables were certified and submitted in strict accordance with LaDOTD location and survey standards.


GOTECH provided topographic survey in support of design for the closing of an existing ditch and installation of a sidewalk/multi-use path and handicapped ramps on a roadside design project. The survey was along Bootlegger Road (LA Highway 1085) from Coquille Park to White Chapel Road. The overall length of the survey was approximately 3,600 feet.

**Key Staff:** Bruce Dyson, Robert Price



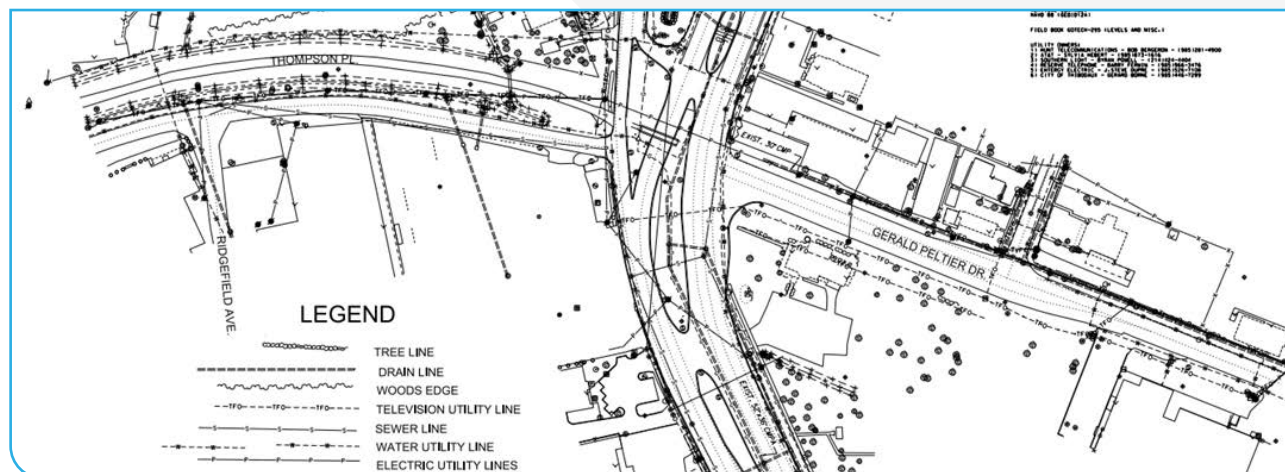



## 17. Firm Experience

Firm name	 <b>GOTECH, INC.</b> Consulting Engineers	Past Performance Evaluation Discipline(s)	Survey
Project name	<b>ACADIAN ROAD ROUNDABOUT, LA 20 (CANAL BOULEVARD) AND LOCAL ROUTES (BACK STREET, JACKSON STREET, THOMPSON PLACE)</b>		Firm responsibility (prime or sub?) Subconsultant
Project number	4400004485; H.009320	Owner's name	LaDOTD
Project location	Thibodaux, Louisiana	Owner's Project Manager	Mark Chenevert, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1591 / mark.chenevert@la.gov		
Services commenced by this firm (mm/yy)	04/15	Total consultant contract cost (\$1,000's)	\$204
Services completed by this firm (mm/yy)	09/19	Total consultant services provided by this firm (\$1,000's)	\$195
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

GOTECH provided a complete topographic survey required for the design of a roundabout at the existing intersection. The survey was completed in accordance with LaDOTD standards and included all utilities with depths, all drainage structures and digital terrain model (DTM) for the survey area. The project survey control and horizontal alignment was based on the Louisiana State Plane Coordinate System (NAD-83-92) as determined by GPS observation. The project also included ROW surveys and the preparation of ROW maps.

**Key Staff:** Bruce Dyson, Robert Price




17. Firm Experience				
Firm name			Past Performance Evaluation Discipline(s)	CE&I/OV; Survey
Project name	<b>I-12 WIDENING DB PROJECT</b>		Firm responsibility (prime or sub?)	Subconsultant
Project number	454-01-0047; 454-02-0025	Owner's name	LaDOTD	
Project location	East Baton Rouge and Livingston Parish, Louisiana	Owner's Project Manager	Mark Chenevert, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / (225) 379-1591 / mark.chenevert@la.gov			
Services commenced by this firm (mm/yy)	02/09	Total consultant contract cost (\$1,000's)	N/A	
Services completed by this firm (mm/yy)	08/12	Total consultant services provided by this firm (\$1,000's)	\$2,950	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				

GOTECH provided surveying, utility coordination and construction inspection services for the I-12 widening project during the construction phase of the project. The firm provided a certified structural inspector, concrete paving inspection, coordinated the utility relocation work, prepared daily reports, witnessed testing of cylinder strength for early breaks to allow traffic to roll as they obtained minimum strength, monitoring the construction of the roadway bridges and overpasses. Survey work included the establishment of primary vertical and horizontal control within the project limits that will facilitate construction layout, and any surveying that is required to complete the design phase of the project.

The I-12 widening project consisted of expanding the interstate roadway to three travel lanes in each direction for a distance of approximately 9 miles. The project extended from the O'Neal Lane intersection in East Baton Rouge Parish to the Walker exit in Livingston Parish.

**Key Staff:** Bruce Dyson, Robert Price

## 17. Firm Experience

Firm name			Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>US 190 KROTZ SPRINGS BRIDGE</b>		Firm responsibility (prime or sub?)	Subconsultant
Project number	4400025311	Owner's name	LaDOTD (Hardesty & Hanover, LLP - Prime Consultant)	
Project location	St. Landry Parish, Louisiana	Owner's Project Manager	Babak "Bobby" Naghavi, PE, PhD (Hardesty & Hanover, LLP - PM)	
Owner's address, phone, email	3850 North Causeway Boulevard Suite 1625, Metairie, Louisiana 70002 / (504) 605-7940 / bnaghavi@hardestyhanover.com			
Services commenced by this firm (mm/yy)	02/24	Total consultant contract cost (\$1,000's)	\$5,000	
Services completed by this firm (mm/yy)	04/24	Total consultant services provided by this firm (\$1,000's)	\$12	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				


The US 190 Krotz Springs Bridge is owned and operated by LaDOTD. The bridge was constructed in 1973 and consists of eastbound and westbound structures. Each bridge carries two lanes of vehicle traffic over the Atchafalaya River in Krotz Springs. The bridges consist of a three-span truss main span that measures 780 feet. The coating history indicates that the westbound bridge was last coated in December of 2017 and the eastbound bridge was last coated in May of 2016, both with a coating system consisting of a zinc epoxy primer, epoxy intermediate, and urethane finish.

In September 2023, KTA performed a coating condition assessment on both structures. The purpose of this assessment was to determine the coating of the existing coatings on the structure in order to develop a maintenance painting strategy for the bridge.

A visual assessment of the coated surfaces was conducted to determine the type, extent, and location of coating breakdown and corrosion on the structure. Coating thickness, number of coats, and adhesion were determined using appropriate instrumentation. Samples were removed for further laboratory examination to determine if toxic metal concentrations were present in the existing coatings and to generically identify the coating type. Photographs of typical coating conditions were taken. The results of the field and laboratory testing, a discussion of those results, and photographs were included in a report prepared and submitted to Hardesty & Hanover.

**Key Staff:** Robert Lanterman



17. Firm Experience				
Firm name			Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>JACKSON STREET LIFT BRIDGE</b>		Firm responsibility (prime or sub?)	Subconsultant
Project number	4400013322	Owner's name	LaDOTD (Gresham, Smith and Partners (GSP) - Prime Consultant)	
Project location	Alexandria, Louisiana	Owner's Project Manager	John Weres, PE (GSP - PM)	
Owner's address, phone, email	10000 Perkins Rowe Suite 280, Baton Rouge, Louisiana 70810 / (225) 960-5480 / john.weres@greshamsmith.com			
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost (\$1,000's)	\$5,000	
Services completed by this firm (mm/yy)	05/20	Total consultant services provided by this firm (\$1,000's)	\$11	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)				


The Jackson Street Lift Bridge in Alexandria carries two lanes of traffic over the Red River. The main span is a through truss design with a 300-foot vertical lift span centered between the two towers.

Under Gresham Smith's agreement with LaDOTD, KTA completed a coating condition assessment of this bridge. The coating condition assessment was conducted on February 18 and 19, 2020. The purpose of this assessment was to determine the coating of the existing coatings on the structure in order to develop a maintenance painting strategy for the bridge.

A visual assessment of the coated surfaces was conducted to determine the type, extent, and location of coating breakdown and corrosion on the structure. Coating thickness, number of coats and adhesion were determined using appropriate instrumentation. Samples were removed for further laboratory examination to determine if toxic metal concentrations were present in the existing coatings and to generically identify the coating type. Photographs of typical coating conditions were taken. The results of the field and laboratory testing, a discussion of those results and photographs were included in a report prepared and submitted to Gresham Smith. A discussion of various maintenance painting operations was presented along with recommendations for the maintenance painting of this structure.

**Key Staff:** Robert Lanterman



17. Firm Experience			
Firm name		Past Performance Evaluation Discipline(s)	Bridge
Project name	<b>PAUT INSPECTION OF BRIDGE PINS</b>		Firm responsibility (prime or sub?) Subconsultant
Project number	N/A	Owner's name	North Dakota DOT (Fickett Structural Solutions - Prime Consultant)
Project location	Various Locations, North Dakota	Owner's Project Manager	Todd Demski (Fickett Structural Solutions - PM)
Owner's address, phone, email	11425 Hanson Boulevard NW, Minneapolis, Minnesota 5543 / (763) 285-796 / tdemski@fickettinc.com		
Services commenced by this firm (mm/yy)	10/21	Total consultant contract cost (\$1,000's)	\$200
Services completed by this firm (mm/yy)	10/21	Total consultant services provided by this firm (\$1,000's)	\$21
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)			

In October 2021, KTA provided PAUT of bridge pins on various bridges throughout the state of North Dakota. PAUT is used to detect component failures and can be applied for inspection of welds, thickness measurements, corrosion inspection, and flaw detection. The KTA NDE inspector conducted the PAUT testing in accordance with NDDOT specifications, KTA SOPs and North Dakota DOT/Fickett Structural Solutions contract documents. The KTA NDE inspector prepared daily inspection reports to document the activities and findings as witnessed at each bridge location. The reports were submitted to the engineer after review by the KTA project manager. Material requiring rework was not released until properly repaired.

**Key Staff:** James Kretzler





# Section 18

Approach and Methodology



## 18. Approach and Methodology

### INTRODUCTION AND PROJECT UNDERSTANDING

Since 1963, HNTB has enjoyed a long history of service and partnership in Louisiana, providing a variety of services to the LaDOTD for decades. One service HNTB is very proud of has been bridge inspections, which have been provided to LaDOTD through our IDIQ retainers for the past eight years. HNTB has designed, analyzed or inspected many complex bridges throughout the state through previous contracts. Our team's professionals are knowledgeable in bridge inspection procedures, and they perform inspections in accordance with the FHWA BIRM, SNBI Manual and AASHTO MBE applying a deep understanding of FCM, critical feature and scour critical identification practices.

The HNTB team understands the scope of services required by LaDOTD for NBIS in-depth inspection services. The work will consist of, but not be limited to, NBIS in-depth bridge inspections, underwater bridge inspections, QA inspection, bridge load rating, bridge design and construction support services. Our team will draw on our expertise in NBIS inspections, bridge rehabilitation, LRFR ratings and construction services for LaDOTD. We are currently providing these services to LaDOTD under existing contracts and are fully prepared to work with LaDOTD project managers to deliver the requirements for each task order. For projects with quick turnarounds similar to this contract, the HNTB team is uniquely qualified to provide SMEs for bridge inspection tasks listed in the scope. We will also provide SMEs for other required services necessary to complete any assigned tasks.

#### The HNTB Team

Due to our deep bench of certified team leaders, fracture critical inspectors, SPRAT-trained technicians and ADCI underwater bridge inspectors, we are qualified to provide in-depth complex bridge inspection and design services for any complex bridge in Louisiana. The HNTB team brings you a strong and committed project manager, experience working with LaDOTD and FHWA procedures, experience in using inspection information for asset management, maintenance and rehabilitations and well-documented QA/QC practices. Our team includes:

- » **Moffatt & Nichol, Inc.** is one of the leading firms in bridge inspections and will provide underwater and specialty inspections, allowing for a full-service team with numerous qualified SPRAT rope access certified inspectors.
- » **Burgess & Niple, Inc.** has inspected numerous complex bridges throughout the country and brings a bench of SPRAT rope access qualified inspectors.
- » **Forte & Tablada, Inc.** will provide advanced measurements and laser scanning activities, as well as additional certified team leaders.
- » **GOTECH, Inc. (DBE)** will assist with traffic control and land surveying.
- » **KTA-Tator, Inc.** will assist with coating inspection and NDT.

**Patrick Roth, PE**, will serve as project manager for this contract. He has and continues to serve as project manager on both current and previous LaDOTD NBIS in-depth inspection of complex bridges contracts. Patrick brings 16 years of structural and bridge engineering and inspection experience,

with expertise not only in inspection but also analysis and rehabilitation of existing structures as well as the design of new bridge structures. He is also experienced in construction management and has provided on-site services for several bridge construction projects. Patrick will also serve as lead NBIS inspector, being 100% dedicated to this contract and providing consistency in all inspections. He is an FHWA-certified team leader, has taken the NHI fracture critical course, is an ATSSA traffic control supervisor and SPRAT rope access technician. He has served as certified team leader on numerous large, complex bridge inspections for several clients including LaDOTD, NYSDOT, ArDOT, MDOT and MTA. Patrick has assisted with several bridge condition and rehabilitation inspections and recommendations, as well as construction inspection and QA/QC practices.

#### TEAM CREDENTIALS

22

NHI/FHWA Certified  
Team Leaders

16

NHI/FHWA Fracture Critical  
(NSTM) Inspectors

25

SPRAT/IRATA Rope  
Access Technicians

8

ADCI Underwater Bridge  
Inspectors



#### Leveraging Past Experience

HNTB is proud to have served LaDOTD on numerous projects through the years and we have established a relationship as a trusted resource through these efforts. Many of the same key personnel proposed for this project have worked together on previous bridge inspections, allowing for consistency and efficiency in all inspections.

HNTB has been under contract to assist the LaDOTD in completing NBIS in-depth and element level inspections of complex bridges from 2016 through 2024. Bridge types inspected include cable-stayed, cantilever truss, movable, PPC girders and deck truss. We have successfully completed over 20 complex bridge inspections for LaDOTD under our retainer contracts, which include:

- » LA 10 John James Audubon Mississippi River Bridge (2016, 2020, 2022 and 2024)
- » I-10 Baton Rouge Mississippi River Bridge (2016, 2020, 2022 and 2024)
- » I-310 Luling Mississippi River Bridge (2017, 2021 and 2023)
- » I-10 Calcasieu River Bridge (2016, 2021 and 2023)
- » US 190 Baton Rouge Mississippi River Bridge (2023)
- » US 90B Eastbound Mississippi River Bridge (2022)
- » US 90B Westbound Mississippi River Bridge (2022)
- » LA 47/IWGO "Green Bridge" (2021)

- » US 90 Atchafalaya Mississippi River Bridge (2017)
- » LA 23 Judge Perez Bridge (2018)
- » US 90 Danziger Bridge (2018)
- » Senator Ted Hickey Bridge (2018)
- » Claiborne Avenue Bridge (2018)
- » LA 1 Lockport Bridge (2017)

Most of these structures required unique coordination due to higher traffic volumes. This experience demonstrates that HNTB understands how to limit impacts to the traveling public by reducing the number of lane closures and our proven ability to deploy numerous teams and access methods including up to 25 rope access inspectors at one time across the structure. HNTB will deliver task orders with the same approach, considering the needs of LaDOTD and the traveling public.



### EXPERIENCE AND EXPERTISE MAKES THE DIFFERENCE

The HNTB team has logged

**5,000+** SPRAT/IRATA hours  
on complex structures, including tied arch,  
cable-stayed and several varieties of truss bridges.

## PROJECT APPROACH

### Quality

When it comes to ensuring the safety of the traveling public, QC is critical to the consistent success of all projects. Our team has already developed a QA/QC manual specific to this contract (**Scope Item 7**). A successful quality management plan (QMP) relies on three fundamental items including people, process and tools. HNTB will ensure all subconsultants' documents follow the QA/QC process. HNTB will perform QA reviews on all deliverables from our subconsultants. In accordance with the advertisement, we are prepared to provide our QMP within 10 days of notice of this contract's award. For each assignment, we will develop a QA/QC approach tailored to the specific scope of service.

### Task Order Development

Upon receiving a task order for a complex bridge inspection, the HNTB team will meet with the LaDOTD project manager to develop the scope of services for each bridge. Our project manager, **Patrick Roth, PE** will finalize the fee estimate and work with subconsultants, traffic control and equipment vendors to provide safe, thorough and efficient delivery of the task order. Once notice to proceed (NTP) is obtained, our team will review plans, previous inspection reports, maintenance records and NSTM procedures to finalize the inspection plan. With a highly qualified depth of available resources, we will assign staff with relevant experience to perform each unique task order.

In preparation for the field inspection, we will develop traffic control plans (TCP) in coordination with LaDOTD district personnel. Coordination with all necessary stakeholders including LaDOTD, District Maintenance, subconsultants, traffic control, USCG, railroads, vendors and others will be crucial. We will develop inspection forms consisting of sketches of all elements to accurately document deficiencies and have extensive experience using the InspectX system on complex inspections.

In close coordination with LaDOTD, the HNTB team will identify the appropriate level for all structural members to be inspected (**Scope Item 5**). Each member will be inspected using the most effective access method, considering worker safety and traffic impacts.

Our team will perform traffic-sensitive inspections during off-peak or weekend hours to minimize traffic disruptions during peak travel periods. HNTB, Moffatt & Nichol, Inc. and Burgess & Niple, Inc. all have SPRAT-certified inspectors skilled in climbing and using rope access techniques for complex bridges. Using rope access techniques where viable reduces or eliminates the need for lane closures and inspection vehicles, reducing the impact to the traveling public. The use of multiple inspection vehicles, as well as operating in the same lane with multiple inspection teams, will be considered to further limit the number of lane closure days, while efficiently performing the inspections. Under bridge access vehicles will provide close access to areas not easily reached by climbing, such as interior areas of floor beams and girders.

### Task 1: Pre-Inspection

HNTB will staff the proposed projects with qualified inspectors and engineers who have experience with the inspection of the bridge types included in each task order. Following NTP, HNTB will begin pre-inspection, which includes reviewing previous inspection reports, as-built plans and other available data provided by LaDOTD. Detailed inspection forms will be prepared for each inspected element and will include recognition of fatigue-sensitive details, FCMs and maintenance conditions identified in previous inspection reports. HNTB will also prepare a site-specific safety plan for each inspection which will include hazard analysis and a personal protective equipment assessment. All members of the team will review the plan and comply with the training and safety requirements.

For complex bridge inspections, proper traffic control is a vital component of ensuring safety for both inspectors and the traveling public while inspection operations are being performed. Traffic control will be utilized when access is needed from the deck or from adjacent city streets or public areas for the inspection vehicles. With this understanding, our team will work with LaDOTD district offices to develop a TCP tailored to the specific bridge location. The TCP will utilize LaDOTD temporary traffic control (TTC) standard plans where applicable. If unique TCPs are required, the HNTB team will use the Manual on Uniform Traffic Control Devices (MUTCD) to develop a TCP suited for the bridge location. Once a TCP is developed, we will submit the plan to LaDOTD for approval along with daily inspection hours of operation (**Scope Item 6**).

Close coordination with LaDOTD, strict adherence to LaDOTD policies, timely completion of the scope and working within our established QA/QC plan are key aspects to a successful project. Prior to inspections, HNTB will hold a kick-off meeting with LaDOTD personnel to present our proposed action plan and inspection schedule. Technical issues, access and traffic control concerns will be discussed.

Task 2: Field Inspection

The HNTB team understands the significance of performing a thorough, in-depth field inspection to help LaDOTD track and assess the structural health of its most complex structures as well as to uncover underlying deficiencies (**Scope Item 1**). Through extensive experience with inspecting complex structures for LaDOTD and other state agencies, we have developed a methodical and systematic approach to ensure every component of a large, complex bridge receives an in-depth inspection.

Referencing the AASHTO MBE, SNBI, NBIS and LaDOTD BIM, the HNTB team will use all as-built plans to be inspected to understand all components of the bridge, ensuring that proper inspection techniques and requirements will be followed for each component.

Our team recognizes that time-saving techniques that do not compromise the integrity of the inspection is a valuable consideration when mitigating impacts to the traveling public. With this understanding, HNTB will inspect several different bridge components at a time by organizing groups of teams that will be deployed to various parts of the bridge. An experienced, qualified bridge inspector will lead each team in inspecting and documenting deficiencies. Teams will consist of two or more inspectors designated to inspect one or more bridge components. Each team will follow the same procedures for documenting deficiencies and cataloging photos, ensuring consistency among all inspectors and proper documentation.



PROJECT HIGHLIGHT:  
I-10 BATON ROUGE MISSISSIPPI  
RIVER BRIDGE

In 2020, the LaDOTD asked HNTB to reduce impacts to the traveling public by limiting the number of lane closures during the I-10 Baton Rouge bridge inspection. Traditionally, this type of bridge inspection would take eight weekends and night work using snoopers and manlifts throughout the summer. This tends to cause miles of delays and various lane closures for the traveling public. On I-10 Baton Rouge, the HNTB team used rolling drop offs to deploy up to 15 rope access technicians in several teams throughout the structure, resulting in no lane closures with minimized traffic delays, \$181,000 in cost reductions and on-schedule delivery. Being that HNTB has previously inspected this bridge four times in the past eight years, the team is able to inspect over 95% of the bridge with zero lane closures, requiring only short one-day closures on the weekend. In addition, the contracted fee has been reduced at each inspection cycle and the final invoiced amount has regularly been 15% below budget.

When inspecting all superstructure and substructure components including bearings, truss members, cables, cable anchorages, pier walls, footings and pilings, each team will be knowledgeable on deficiencies that could affect each member and will properly document and catalogue new and existing deficiencies. When a deficiency is found, it will be noted on bridge element sketches created to show each component and each face of the element being inspected. Using this method, the exact location of the deficiency will be easily identified. All bridge element sketches will be grouped by

element and have a unique identifier to distinguish each repetitive element from the other. For instance, each floorbeam on a truss bridge will have its own bridge element sketch filled out by the inspection team. Likewise, all bearings, piles, cables and all truss members will have their own individual element sketch.

Photographing evidence of each deficiency is critical to documenting deficiencies. Using high resolution cameras capable of capturing even the most minute cracks, the HNTB team will capture clear photographs of deficiencies to ensure that the full extent of the deficiency is documented. Each picture will be carefully catalogued immediately after it is taken with relevant information documenting the direction, location and element along with a detailed description of the deficiency photographed. This method ensures that each picture can be easily accessed at any point.

When deteriorations are discovered during any of the above-mentioned inspection types, special care will be taken to document the deterioration in great detail (**Scope Item 3**). A detailed sketch will be developed in the field, complete with a description of the deterioration, measurements of the deterioration limits, multiple photographs of the damage with included scale and any other information the NBIS team leader deems necessary to convey.

NDT SERVICES *	
COMMON STEEL	CONCRETE
Dye-penetration	Sounding
Ultrasonic testing	Electrical methods
Radiography	Pachometer
Acoustic emission	Ground-penetrating radar
Eddy current	
<i>* Should additional services outside team capabilities be required, additional members can be added as-needed or included as a vendor-based direct expense.</i>	

When damage occurs to a structural member or an entire structure from vehicular impact, fire, flooding or other natural disasters, a similar document procedure will be followed with sketches and photographs. The team leader will note potential repair methods during the damage inspection, and measurements will include details required to return the damaged area to an undamaged condition. When deemed necessary

by guidelines or the team leader, NDT will be used for steel, concrete or other material. Should an assessment of the bridge coating system be needed, we bring SSPC PCs and certified NACE bridge coating inspectors to determine the condition of the existing coating system (**Scope Item 2**).

When required or requested, the HNTB team will perform NBIS underwater inspection on bridge components submerged underwater. These elements can include pier walls, footings and pilings. Our team has extensive expertise with underwater bridge inspection services for large, complex bridges. Using the relevant inspection manuals as a guide, the underwater inspections will be performed in accordance with all required techniques and requirements set forth in the manuals. Underwater inspections will be performed similar to above-water inspections using multiple teams of divers and boats to ensure minimal disruption to marine traffic. All applicable regulatory codes and safety measures will be followed while performing underwater bridge inspections. Coordination with all applicable state and federal agencies will ensure proper communication is being transmitted for underwater inspections being performed on the specific bridge. All documentation and photographic evidence will be captured following the same method as described for above-water inspections.

If needed, all topographic survey work will be performed by our subconsultants (**Scope Item 8**). **GOTECH, Inc. (DBE)** has the experience and knowledge to handle any survey assignment, as they have completed multiple assignments and prepared deliverables for the LaDOTD in accordance with the Location and Survey Manual. Whether survey needs to occur concurrently with inspection activities or independently, the HNTB team will efficiently complete each survey task assigned. As an added value, the HNTB team is qualified to perform advanced measurements and scanning activities through our subconsultant, **Forté & Tablada, Inc.** The firm has a breadth of experience, including performing multiple advanced measurements projects on movable and fixed bridges.

### Task 3: Reporting

Following field inspection, all photos, notes, sketches, NDE results and other information will be compiled into an inspection report. The information will be input into InspectX in accordance with SNBI, LaDOTD and FHWA guidelines. All raw information will be compiled in an archive and organized for easy access at a later date. Findings will be documented in accordance with the FHWA and LaDOTD BIM, and all information will be entered into the LaDOTD's electronic asset management system, InspectX. Reports will include narrative descriptions of conditions observed, required sketches and inspection notes. Inspection findings will be cross-referenced with photographic documentation, and the root cause of deficiencies will be stated. Photographs will have unique names and can be sorted by region. This system has been proven to streamline report preparation and has resulted in cost savings to our clients. HNTB continues to improve our inspection and report preparation procedures to provide more efficient and cost-effective inspections.



#### SYSTEM HIGHLIGHT: SPECIFICATIONS FOR THE NATIONAL BRIDGE INVENTORY

In May 2022, an updated rule was published to the US Code pertaining to in-service bridge inspections. As part of that update, the SNBI was introduced as the guide for federally mandated data items that are tracked for each structure. This change added 61 new fields and updated roughly 90 more. The HNTB team is currently working with LaDOTD to update the BIM to include all new SNBI requirements. We are continuing to collect required data and update SNBI information into InspectX. All bridge data, updated and existing, will go through the data QC process, including elements and element quantities. The HNTB team is dedicated to helping LaDOTD meet the FHWA deadline to have all SNBI data finalized by 2028.

As part of the inspection report, any recommended repairs or recommended rehabilitation will be submitted based on the findings of the inspection report (**Scope Item 4**). The HNTB team also has extensive experience in LRFR of complex structures. Utilizing the results of the inspection, with clearly documented limits of deterioration, the HNTB team will assess the load carrying capacity of the structure if requested. Such analysis will be completed using the AAHSTO MBE and LaDOTD BDEM. If requested, we also will provide repair and/or rehabilitation plans meeting the requirements of the LaDOTD bridge design section. Repair plans will be developed to address specific deficiencies using

MicroStation, and repair plans will be submitted to LaDOTD for approval. Our team stands ready to provide access to full-service, local and national resources. These individuals have existing relationships with LaDOTD and are capable of executing a range of design and repair assignments. Our Baton Rouge staff consists of 12 bridge engineers and two technicians who are familiar with LaDOTD bridge design policy and procedures and, in some cases, assisted in their creation. With the addition of our subconsultant partners, the HNTB team is uniquely prepared to handle anything from design and plan development work to emergency type repairs on urgent time frames.

### NBIS Inspection Task Order Sample Schedule

TASK NAME	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5
<b>NTP</b>					
<b>TASK 1 PRE-INSPECTION</b>					
Review Previous Inspection Reports					
Prepare Inspection Documentation, TCPs and Inspection Schedule					
Coordination with LaDOTD, District, Subconsultants, Traffic Control, USCG, Equipment Vendors and more					
<b>TASK 2 FIELD INSPECTION</b>					
<b>TASK 3 REPORTING</b>					
Prepare Draft Report in InspectX					
QA/QC					
Submit Draft Report in InspectX					
LaDOTD Review					
Revise Report					
QA/QC					
Submit Final Report					

### CONCLUSION

HNTB has assembled a highly experienced team of engineers and technicians with specialized backgrounds in the inspection of complex structures including major rivers or movable bridges. Many team members proposed for this contract have worked together to complete projects, utilizing HNTB's proven inspection methods, reporting procedures and QA practices. Our top priority is helping LaDOTD be successful in the maintenance of their critical infrastructure systems and ensuring public safety.

We are proud of HNTB's 110-year heritage founded on our bridge expertise and excited for the opportunity to continue delivering engineering services in partnership with LaDOTD. The HNTB team is ready to begin work through this important in-depth bridge inspection contract.





# Section 19

## Workload

19. Workload				
Firm	Past Performance Evaluation Discipline(s)*	Contract Number and 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 Street)	\$5,769
	Bridge	State Contract No. 44-17264	Retainer Contract for Bridge Preservation	
		H.001166.6	Caddo Lake CRES	\$83,792
		H.012842.5	LA 124 Extension	\$26,777
		H.014591.5	I-12: US 61 Bridges Girder Repairs	\$12,703
	Other (Drainage)	H.010251.5	Chippewa Street Pump Station	\$131,497
	Bridge	State Contract No. 44-24189	Statewide Bridge Preservation	
		H.010319	Task Order 1: I-110 North Street to Plank Road	\$12,179
		H.12899.6	Task Order 2: I-20 Rehab CRES	\$107,259
		H.015935	Task Order 3: LA 47 Emergency Bridge Replacement	\$78,486
	Road	State Contract No. 44-23812	Statewide Weigh Station Assessment, Rehab and Plan Development	
		H.015377.1	Task Order 2: Weighstation Master Plan	\$2,979,483
	Other (Tolling)	State Contract No. 44-23640	IDIQ Contract for Tolling Support	
			Task Order 2: PIBC Integration	\$28,994
			Task Order 3: LA 1 Facility Implementation	\$439,920
			Task Order 6: Toll Services	\$2,258,329
			Task Order 7: I-10 Atchafalaya Basin SEA	\$89,317
	Planning	State Contract No. 44-21094	Statewide Transportation Plan	\$1,103,494
	Bridge	State Contract No. 44-25029	IIJA Off-System Bridge Program	\$1,102,638



19. Workload				
Firm	Past Performance Evaluation Discipline(s)*	Contract Number and State Project Number	Project Name	Remaining unpaid balance**
HNTB Corporation (continued)	Bridge	State Contract No. 44-23512	Statewide Complex Bridge Inspection	
			Task Order 3: BIM Updates and Load Rating	\$246,982
			Task Order 4: I-10 Calcasieu Bridge Inspection 23-24	\$423,105
			Task Order 5: Audubon Bridge Inspection	\$87,691
			Task Order 6: I-10 BR MS River Bridge Inspection	\$473,920
			Task Order 7: GNO 1 & 2 Bridge Inspection	\$884,731
	CE&I/OV	State Contract No. 44-4900	H.008145.6: LA 1 Phase 2	\$5,670,487
	Environmental	State Contract No. 44-26365	H.015223: BR to NO Passenger Rail Corridor Environmental Study	\$251,606
	Bridge	State Contract No. 44-21594	H.009859.5: Complex Bridge Rating	\$323,062
	CE&I/OV	State Contract No. 44-23074	H.010960: LA 30 Roundabout at Tanger Mall	\$247,984
	CE&I/OV	State Contract No. 44-17006	H.001670.6: I-10/Loyola Interchange Improvements	\$116,205
	CE&I/OV	State Contract No. 44-28884	Calcasieu River Bridge OV Pre-Construction Services	\$105,399
	Other (Railroad)	State Contract No. 44-27876	H.015223.1: Intercity Rail Program	\$4,662,253
Moffatt & Nichol, Inc.	Bridge	State Contract No. 4400019121	H.009730.5: IDIQ Contract for Underwater Inspection	\$447,547
	Bridge	State Contract No. 4400019121	H.009730.5: IDIQ Contract for Underwater Inspection	\$1,796,731
	Bridge	State Contract No. 4400023512	H.009730.5: Development Services for Three Primary Bridge Inspection Documents	\$163,628
Burgess & Niple, Inc.	Bridge	State Contract No. 4400023510	H.009730.5: Complex Bridge Rating (On-System Trusses and Other Complex Bridges)	\$124,228

19. Workload				
Firm	Past Performance Evaluation Discipline(s)*	Contract Number and State Project Number	Project Name	Remaining unpaid balance**
Forte & Tablada, Inc.	Bridge; Survey	State Contract No. 4400021594	IDIQ Contracts for Bridge Load Rating Services	
		H.009859.5	Task Order 1: Load Rate Selected Statewide Bridges	\$165,129
		H.011965.6	Task Order 2: IWGO Bridge Rehabilitation (Drone Flyover)	\$52,359
		H.000303.6	Task Order 3: Danziger Bridge Rehabilitation	\$5,681
		H.009730.5	Task Order 4: In Depth Bridge Inspection T-1 Steel Weld Assessment	\$562
		H.015228.5	Task Order 5: LA 70 Sunshine Bridge Emer Truss Repair	\$123
		H.009859.5	Task Order 6: Load Rate Selected Statewide Bridges	\$2,171,019
		H.009730.5	Task Order 7: In-Depth Bridge Inspections	\$92,522
		H.009730.5	Task Order 8: In-Depth Bridge Inspections	\$173,672
	Bridge; Survey	State Contract No. 4400024589	H.014990.5: OSBR South Tiger Bend Road & East Achord Road Bridges	\$49,265
	Bridge; Survey	State Contract No. 4400013387	H.013137.5: OSBR Ouachita	\$23,249
	Bridge; Survey	State Contract No. 4400019864	H.014318.5: OSBR Gurney Road Bridges	\$94,154
	Bridge	State Contract No. 4400025037	H.014994.5: OSBR Bonne Idee Road over Bonne Bayou	\$70,902
	Road; Bridge	State Contract No. 4400024641	LA 447 Corridor	\$180,226
	CE&I/OV	State Contract No. 4400023837	H.013090.6: Gretna Downtown Pedestrian Improvements	\$55,022
			H.009290.6: LSU Laboratory School SRTS Project	\$53,040
	Survey	State Contract No. 4400021532	H.013537.5: LA 93 Ditch Bridge	\$21,405
	Survey	State Contract No. 4400025029	H.015341: D61 (EBR) IJJA Off-System Bridge	\$83,332
			H.015341: D61 (EBR) IJJA Off-System Bridge - SA 3	\$47,004
	Survey	State Contract No. 4400004128	H.004273.5: I-49 Connector	\$35,942

19. Workload				
Firm	Past Performance Evaluation Discipline(s)*	Contract Number and State Project Number	Project Name	Remaining unpaid balance**
GOTECH, Inc.	CE&I/OV	State Contract No. 4400017006	H.011670: I-10/Loyola Interchange Improvements (Jefferson Parish)	\$121,806
	CE&I/OV	State Contract No. 4400019550	H.001234: LA 1 (Port Allen Canal Bridge Replacement) Phase 1 (West Baton Rouge Parish)	\$348,287
	CE&I/OV	State Contract No. 4400023074	IDIQ Contract for Construction, Engineering and Inspection and Staff Augmentation - Pecan Island Road District 61 (Hammond)	
			H.012465	\$58,489
			H.014694.6	\$41,978
			H.014930	\$21,449
	CE&I/OV	State Contract No. 4400015488	IDIQ CE&I Safe Routes to School Sidewalk (Lafayette Parish)	\$67,145
	Survey	State Contract No. 4400019870	IDIQ Design of Safety Projects Statewide with Majority of Work in Districts 03, 07 and 08	\$40,150
			H.013753.5: LA 428 (Gen DeGaulle-Old Behrman) (Orleans Parish)	\$47,232
	CE&I/OV	State Contract No. 4400021740	H.004100.6: I-10 (LA 415 to Essen Lane on I-10) and I-12 (West and East Baton Rouge Parish)	\$1,546,663
	Survey	State Contract No. 4400025040	H.015342: Infrastructure Investment Off-System Bridge Program - District 61	\$15,436
KTA-Tator, Inc.	CE&I/OV	H.010673	US 90-Z Harvey Canal Tunnel Rehabilitation Route US 90-Z Federal Aid Project (Jefferson Parish)	\$234,522
	Bridge	State Contract No. 4400021514	Contracts for Moveable Bridges - KTA does not have any active TO assignments on this contract to date. H.012003, H.011995, H.010007, H.012568 and H.012000	N/A
	Bridge	State Contract No. 4400023511	IDIQ Contract for Bridge Inspection Services	\$2,493
			US 190 Krotz Springs Bridge Coating Assessment	\$12,772



# Section 20


## Certifications/Licenses



## 20. Certifications/Licenses

**Todd Dustin Bastion, PE**  
(HNTB Corporation)

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: <b>Active</b>	

**Patrick J. Roth, PE**  
(HNTB Corporation)

MPR 3

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

**Mr. Patrick J. Roth**

License/Certificate Type - Number	Expiration Date
PE.0041553	09/30/2025
Status: <b>Active</b>	

Patrick's resume presents more than five years of experience in responsible charge of bridge design/structural inspection of river crossing structures.

**Additional Certifications/  
Licenses**

 **National Highway Institute**  
U.S. Department of Transportation  
Federal Highway Administration

**Certificate of Training**  
Patrick Roth

*has successfully completed*  
**FHWA-NHI-130053 Bridge Inspection Refresher Training**

*Issued by*  
**Louisiana Department of Transportation and Development**

Date: June 25-27, 2024  
Location: Baton Rouge, LA  
Hours of Instruction: 22

Instructor: Mark Nyerges (Special Agent in Charge, Highway Safety, 2024-2025)  
Earl Dubin (Special Agent in Charge, Highway Safety, 2022-2024)

Local Coordinator: Allison Landry  
Stacey Caston (Special Agent in Charge, Highway Safety, 2022-2024)  
Nancy Carter, Director  
National Highway Institute

 **National Highway Institute**  
U.S. Department of Transportation  
Federal Highway Administration

**Certificate of Training**  
Patrick Roth

*has participated in*  
**FHWA-NHI-130055 Safety Inspection of In-Service Bridges**

*Issued by*  
**GPI Greenman - Pedersen Inc.**

Date: April 28 - May 9, 2014  
Location: Babylon, New York  
Hours of Instruction: 67

Instructor: [Signature]  
Local Coordinator: [Signature]  
Richard Bureddy, Director  
National Highway Institute

 **National Highway Institute**  
U.S. Department of Transportation  
Federal Highway Administration

**Certificate of Training**  
Patrick Roth

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

*Issued by*  
**PKB Engineering Corp.**

Date: July 8-11, 2014  
Location: Lyndhurst, NJ  
Hours of Instruction: 21 Hours

Instructor: [Signature]  
Local Coordinator: [Signature]  
Richard Bureddy, Director  
National Highway Institute

 **ROPE ACCESS TECHNICIAN**  
LEVEL: I

**Patrick Roth**  
New Orleans, LA  
USA

SPRAT Cert. # 150812  
Certification Date: 14 JAN 2022  
Renewal Date: 8 FEB 2025



 **PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Patrick Roth**  
has attended  
**Traffic Control Supervisor Refresher-LA State Specific**  
Training Course

11/8/2022 to 11/8/2023  
Training Valid Through

New Orleans, LA  
Location

[Signature]  
Director of Training

[Signature]  
President, CEO

ATSSA provides training and certification for surface maintenance employees by ATSSA.  
American Traffic Safety Services Association ATSSA.com



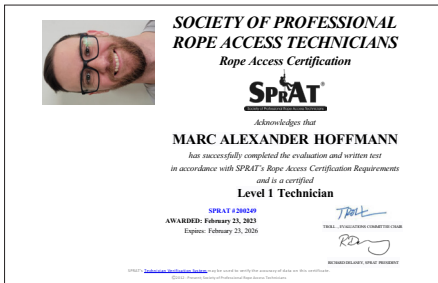
20. Certifications/Licenses

**Marc Alexander Hoffmann, PE**  
(HNTB Corporation)  
MPR 4

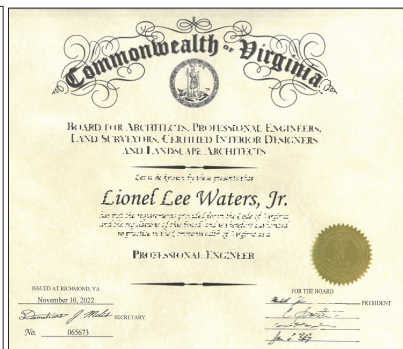
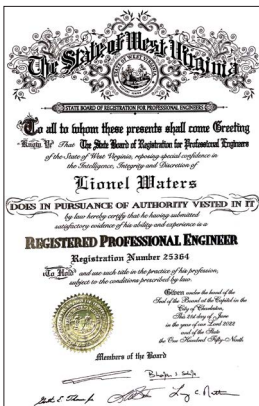


Marc's resume presents more than six months of experience in bridge inspection.

**Additional Certifications/Licenses**

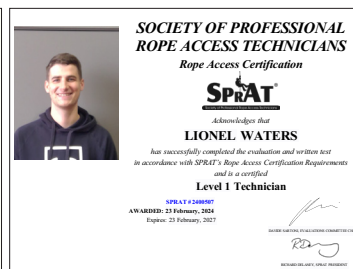


**Lionel Waters, PE**  
(HNTB Corporation)  
MPR 4



Lionel's resume presents more than six months of experience in bridge inspection.

**Additional Certifications/Licenses**



## 20. Certifications/Licenses

**Edward Michael Cinadr,**  
**PE**  
(Burgess & Niple, Inc.)  
MPR 4

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

**Mr. Edward Michael Cinadr**

License/Certificate Type - Number	Expiration Date
PE.0035390	09/30/2024

Status: **Active**

**National Highway Institute**  
**Certificate of Training**  
**Edward M. Cinadr**

Presented to  
FHWA-NHI-130553 Bridge Inspection Refresher Training

Issued to  
Nebraska LTAP

Date: February 2 - 4, 2021	Hours of Instruction: 18
Location: Yarnall Delivery, NE	
Instructor: [Signature]	Local Coordinator: [Signature]
Trainer: [Signature]	Trainer: [Signature]
Trainer: [Signature]	Trainer: [Signature]

**National Highway Institute**  
**Certificate of Training**  
**Edward M. Cinadr**

Presented to  
Safety Inspection of In-Service Bridges

Issued by  
Caltrans - Structure Maintenance & Investigations  
and Michael Baker Jr., Inc.

Date: January 3 - 14, 2011	Hours of Instruction: 80 hours (10 days) Course # 130553
Location: Sacramento, California	
Instructor: [Signature]	Local Coordinator: [Signature]
Trainer: [Signature]	Trainer: [Signature]
Trainer: [Signature]	Trainer: [Signature]

Edwards's resume presents more than six months of experience in bridge inspection.

**Additional Certifications/  
Licenses**

**SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS**  
**Rope Access Certification**  
**SPRAT**

Acknowledges that  
**EDWARD CINADR**  
has successfully completed the evaluation and written test  
in accordance with SPRAT's Rope Access Certification Requirements  
and is a certified  
**Level 2 Technician**

SPRAT #120174  
AWARDED: January 26, 2022  
Expires: February 06, 2025

**The American Traffic Safety Services Association**  
Hereby recognizes that  
**Edward Cinadr**  
has attended  
**Traffic Control Supervisor Refresher-LA State Specific**  
Training Course  
Date: 07/27/2018  
City: Baton Rouge, LA  
Location: [Signature]

**Nicholas Ryan Hart, PE**  
(HNTB Corporation)  
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

**Mr. Nicholas Ryan Hart**

License/Certificate Type - Number	Expiration Date
PE.0043150	03/31/2025

Status: **Active**

**National Highway Institute**  
**Certificate of Training**  
**NICHOLAS HART**

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

Issued to  
LA DOTD/LTRC

Date: October 11-15, 2021	Hours of Instruction: 34
Location: Baton Rouge, LA	
Instructor: [Signature]	Local Coordinator: [Signature]
Trainer: [Signature]	Trainer: [Signature]
Trainer: [Signature]	Trainer: [Signature]

**Additional Certifications/  
Licenses**

**SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS**  
**Rope Access Certification**  
**SPRAT**

Acknowledges that  
**NICHOLAS RYAN HART**  
has successfully completed the evaluation and written test  
in accordance with SPRAT's Rope Access Certification Requirements  
and is a certified  
**Level 1 Technician**

SPRAT #170138  
AWARDED: February 23, 2023  
Expires: February 23, 2026

20. Certifications/Licenses

**Brendan James  
Prendeville, PE**  
(Burgess & Niple, Inc.)  
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

**Mr. Brendan James Prendeville**

License/Certificate Type - Number      Expiration Date  
**PE.0045371                                      09/30/2025**

Status: **Active**

**National Highway Institute**  
**Certificate of Training**  
**Brendan Prendeville**  
supervised in  
FHWA-NHI-130053 Bridge Inspection Refresher Training  
Awarded to  
Nebraska LTAP  
Date: February 2-4, 2021      Hours of Instruction: 18  
Location: Virtual Delivery, NE  
Participant: Brendan Prendeville  
Instructor: Phyllis Schuch  
Local Coordinator: Thomas H. Harnett  
National Highway Institute

**National Highway Institute**  
**Certificate of Training**  
**Brendan J. Prendeville**  
has satisfactorily completed training in  
Safety Inspection of In-Service Bridges  
Hosted by  
Texas Department of Transportation  
Location: Austin, TX  
Date: March 7-18, 2005  
Hours of Instruction: 72  
Continuing Education Units: 6.0  
Instructor: Roger Rygle  
National Highway Institute

**Additional Certifications/  
Licenses**

**National Highway Institute**  
**Certificate of Training**  
**Brendan Prendeville**  
has participated in  
FRACTURE CRITICAL INSPECTION TECHNIQUES  
FOR STEEL BRIDGES  
Hosted by  
Oregon Department of Transportation  
Date: February 1 - 4, 2011      Hours of Instruction: 20  
Location: Portland, Oregon  
Instructor: David M. Brown  
Local Coordinator: Richard Barnaby, Director  
National Highway Institute

**SPRAT** ROPE ACCESS TECHNICIAN  
LEVEL: II  
**Brendan J. Prendeville**  
Dublin, OH  
USA  
SPRAT Cert. # 080310  
Certification Date: 28 JAN 2022  
Renewal Date: 28 JAN 2025

**Robert Lanterman, PCS**  
(KTA-Tator, Inc.)  
MPR **6**

**AMPP**  
The Global Leaders in Materials  
Protection and Performance  
Certifies  
**Robert Lanterman, PCS**  
Has fulfilled the requirements for recognition as an SSPC  
**PROTECTIVE COATINGS SPECIALIST**  
Valid Through December 31, 2027  
2015-620-136  
Certification Number  
August 20, 2015  
Original Date Issued  
Executive Director AMPP

**NACE**  
INTERNATIONAL  
INSTITUTE  
Certificate of Achievement  
The NACE International Institute Recognizes  
**Robert Lanterman**  
As a Certified  
NACE Certified Coating Inspector - Level 3  
Expires  
May 23, 2025  
Cert No. 13505

**James Kretzler**  
(KTA-Tator, Inc.)  
MPR **7**

**ANAB**  
ASNT CERTIFICATION  
SERVICES LLC.  
BE IT KNOWN THAT  
**James Kretzler**  
has met the established and published Requirements for Certification by  
ASNT Certification Services LLC. in the following Nondestructive Testing Method:  
**NDT Level III Liquid Penetrant Testing**  
186946      September 09, 2020      October 31, 2025  
Certificate Number      Issue Date      Expiration Date  
John G. Zering      ASNT Certification  
Services LLC, President  
John G. Zering      ASNT Certification  
Services LLC, President

## 20. Certifications/Licenses

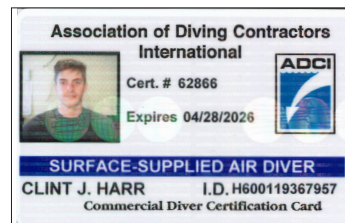
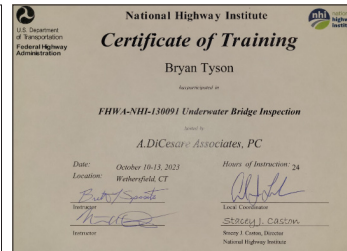
**Bryan Michael Tyson,**  
**PE, ADCI**  
 (Moffatt & Nichol, Inc.)  
 MPR 8 9

**Additional Certifications/  
 Licenses**

**Clint J. Harr, PE, ADCI**  
 (Moffatt & Nichol, Inc.)  
 MPR 8 9



Bryan's resume presents more than six months of experience in bridge inspection.



Clint's resume presents more than six months of experience in bridge inspection.



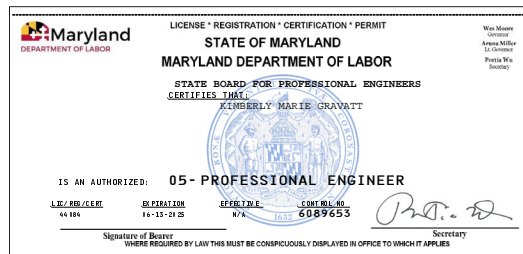


## 20. Certifications/Licenses

**Clint J. Harr, PE, ADCI**  
(continued)  
(Moffatt & Nichol, Inc.)  
Additional Certifications/  
Licenses



**Kimberly Marie Gravatt,**  
**PE, ADCI**  
(Moffatt & Nichol, Inc.)  
MPR 8 9



Kimberly's resume presents more than six months of experience in bridge inspection.



Additional Certifications/  
Licenses



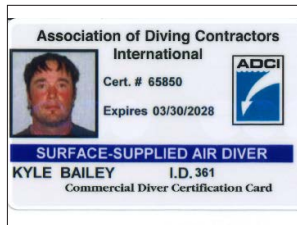


## 20. Certifications/Licenses

**Eric Jones, ADCI**  
(Moffatt & Nichol, Inc.)  
MPR **9**



**Kyle Bailey, ADCI**  
(Moffatt & Nichol, Inc.)  
MPR **9**



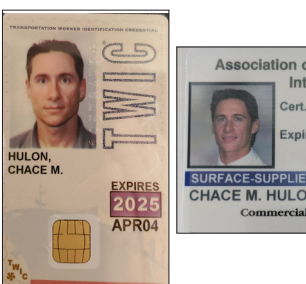
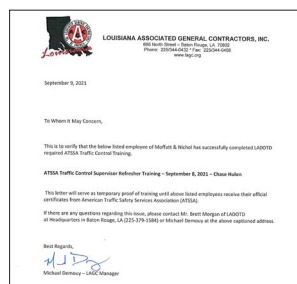
**Chace Mikel Hulon, PE, ADCI**  
(Moffatt & Nichol, Inc.)  
MPR **10**



Chace's resume presents more than five years of experience in underwater imaging.



**Additional Certifications/  
Licenses**



## 20. Certifications/Licenses

**Robert Alan Price, PLS**  
(GOTECH, Inc.)  
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. Robert Alan Price**

License/Certificate Type - Number      Expiration Date  
PLS.0004889      03/31/2026

Status: **Active**

**Additional Certifications/  
Licenses**

**ATSSA TRAINED**

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Robert Price**  
has attended  
Traffic Control Technician-LA State Specific  
Training Course

6/21/2022 to 8/21/2022  
Training Valid Through

Baton Rouge, LA  
Location

*Debbie Purcella*  
Director of Training  
President, CEO

ATSSA provides training and certification for traffic control personnel to ATSSA.

**ATSSA TRAINED**

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Robert Price**  
has attended  
Traffic Control Supervisor-LA State Specific  
Training Course

6/21/2022 to 8/21/2022  
Training Valid Through

Baton Rouge, LA  
Location

*Debbie Purcella*  
Director of Training  
President, CEO

ATSSA provides training and certification for traffic control personnel to ATSSA.

**ATSSA** American Traffic Safety Services Association  
SAFER. BETTER. SAFE. LIVES.

This is to affirm that

**ROBERT PRICE**  
has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 8/12/2022      Instructor Name Debbie Purcella  
Exp. Date 8/12/2026      *Debbie Purcella*  
State Issued LA      Instructor Signature  
V0000058875      Verify at Flagger.com

**Joshua Porter, PE**  
(HNTB Corporation)  
**Additional Certifications/  
Licenses**

**National Highway Institute**  
**Certificate of Training**  
Josh Porter

has successfully completed  
**FHWA-NHI-130053 Bridge Inspection Refresher Training**

Issued by  
**Louisiana Department of Transportation and Development**

Date: June 25-27, 2024      Hours of Instruction: 22  
Location: Baton Rouge, LA

*Mark Nyerges*      *Allison Landry*  
Instructor      Local Coordinator  
*Earl Dubin*      *Stacey Caston*  
Instructor      Stacey Caston, Director  
National Highway Institute

**National Highway Institute**  
**Certificate of Training**  
Joshua Porter

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

Issued by  
**LA DOTD/LTRC**

Date: April 30-May 11, 2012      Hours of Instruction: 67  
Location: Baton Rouge, LA

*William R. Hines, PE*      *William Landry*  
Instructor      Local Coordinator  
*Michael J. Davis*      *Richard Bursley*  
Instructor      Richard Bursley, Director  
National Highway Institute

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

**Mr. Joshua Manning Porter**

License/Certificate Type - Number      Expiration Date  
PE.0039513      09/30/2025

Status: **Active**

**Benjamin Goodner, PE**  
(HNTB Corporation)  
**Additional Certifications/  
Licenses**

**National Highway Institute**  
**Certificate of Training**  
BENJAMIN GOODNER

has participated in  
**FHWA-NHI-130053 Bridge Inspection Refresher Training**

Issued by  
**LA DOTD/LTRC**

Date: January 7-9, 2019      Hours of Instruction: 18  
Location: Baton Rouge, LA

*William R. Hines, PE*      *Allison Landry*  
Instructor      Local Coordinator  
*Michael J. Davis*      *Stacey Caston*  
Instructor      Stacey Caston, Director  
National Highway Institute

**National Highway Institute**  
**Certificate of Training**  
Benjamin Goodner

has participated in  
**FHWA-NHI-130055 Safety Inspection of In-Service Bridges**

Issued by  
**WSP GROUP**

Date: January 27-February 7, 2014      Hours of Instruction: 60  
Location: Charlotte, NC

*William R. Hines, PE*      *William Landry*  
Instructor      Local Coordinator  
*Michael J. Davis*      *Richard Bursley*  
Instructor      Richard Bursley, Director  
National Highway Institute

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

**Mr. Benjamin Alan Goodner**

License/Certificate Type - Number      Expiration Date  
PE.0038208      03/31/2026

Status: **Active**

20. Certifications/Licenses

**Kaleb Hawk, PE**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



**Loren "LJ" Dickens, PE**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



20. Certifications/Licenses

**Zachary Reineke, PE**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



**SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS**  
*Rope Access Certification*

**SPRAT**  
ROPE ACCESS PROFESSIONAL ROPE ACCESS TECHNICIANS


*Acknowledges that*  
**ZACHARY REINEKE**  
*has successfully completed the evaluation and written test in accordance with SPRAT's Rope Access Certification Requirements and is a certified*  
**Level 1 Technician**

SPRAT #2400513  
**AWARDED: February 23, 2024**  
**Expires: February 23, 2027**

THOMAS... EVALUATION COMMITTEE CHAIR  
*[Signature]*  
BECHTOLD... SPRAT PRESIDENT  
*[Signature]*

SPRAT's [Technical Certification System](#) may be used to verify the accuracy of data on this certificate.  
©2024 Society of Professional Rope Access Technicians

**Lars Jensen, EI**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



**SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS**  
*Rope Access Certification*

**SPRAT**  
ROPE ACCESS PROFESSIONAL ROPE ACCESS TECHNICIANS

*Acknowledges that*  
**LARS JENSEN**  
*has successfully completed the evaluation and written test in accordance with SPRAT's Rope Access Certification Requirements and is a certified*  
**Level 1 Technician**

SPRAT #2400514  
**AWARDED: February 23, 2024**  
**Expires: February 23, 2027**

THOMAS... EVALUATION COMMITTEE CHAIR  
*[Signature]*  
BECHTOLD... SPRAT PRESIDENT  
*[Signature]*

SPRAT's [Technical Certification System](#) may be used to verify the accuracy of data on this certificate.  
©2024 Society of Professional Rope Access Technicians

**Kaitlyn Kolbo, PE**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



**National Highway Institute**  
**Certificate of Training**

**Kaitlyn Kolbo**  
has participated in  
**FHWA-NHI-130055 Safety Inspection of In-Service Bridges**  
Issued by  
**Rhode Island Department of Transportation**

Date: June 13-24, 2022  
Location: Warwick, RI  
Hours of Instruction: 67

/s/ Greg Roy  
Instructor

/s/ Kathleen Simon  
Local Coordinator

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

**SPRAT Certification Verification System**

SPRAT Number: 2201515      Last Name: Kolbo

[Reset Form](#)   [Search for SPRAT Technicians](#)

**Search Result(s):**

First Name: Kaitlyn  
Last Name: Kolbo  
SPRAT Number: 2201515  
Rope Access Certification: Level 1  
Rope Access Expiration: 23 July 2025  
Work-at-Height Certification: \_None\_  
Work-at-Height Expiration: \_None\_



## 20. Certifications/Licenses

**Matthew Stieglitz, PE**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



**David Ball, EI**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



**Ricardo Martinez Jr.**  
(HNTB Corporation)  
Additional Certifications/  
Licenses





## 20. Certifications/Licenses

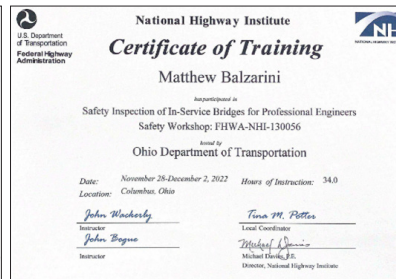
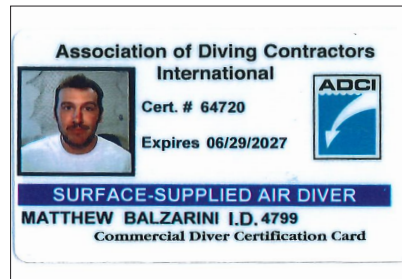
**Aldon Mury**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



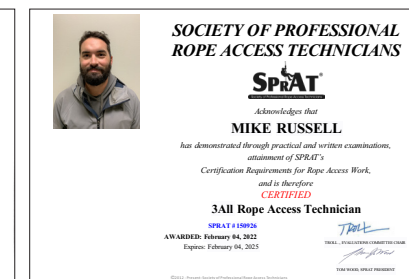
**Charles Balzarini, PE,**  
**ADCI**  
(Moffatt & Nichol, Inc.)  
Additional Certifications/  
Licenses



**Matthew Balzarini, PE,**  
**ADCI**  
(Moffatt & Nichol, Inc.)  
Additional Certifications/  
Licenses



**Mike Russell, EI**  
(Moffatt & Nichol, Inc.)  
Additional Certifications/  
Licenses



## 20. Certifications/Licenses

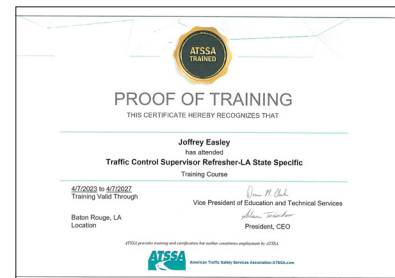
**Christopher A. Eschenbach, ADCI**  
(Moffatt & Nichol, Inc.)  
Additional Certifications/  
Licenses



**Stephanie Athanas (formerly Eschenbach), EI**  
(Moffatt & Nichol, Inc.)  
Additional Certifications/  
Licenses



**Joffrey Easley, PE**  
(Forte & Tablada, Inc.)  
Additional Certifications/  
Licenses



## 20. Certifications/Licenses

### Levi Yantis, PE (Forte & Tablada, Inc.) Additional Certifications/ Licenses



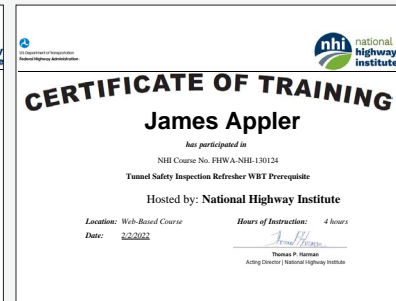
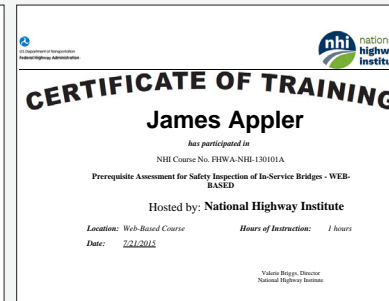
### Michael Kronander, PE (Burgess & Niple, Inc.) Additional Certifications/ Licenses





## 20. Certifications/Licenses

**James "Drew" Appler, PE**  
(Burgess & Niple, Inc.)  
Additional Certifications/  
Licenses



**Daniel Appelbaum, PE**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



**Michael "Cody" Miller**  
(HNTB Corporation)  
Additional Certifications/  
Licenses



## 20. Certifications/Licenses

**Gregory Baron, PE**  
(HNTB Corporation)  
Additional 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. Gregory Scott Baron

License/Certificate Type - Number	Expiration Date
PE.0045122	03/31/2025

Status: **Active**

**Paul Hunter, PE**  
(HNTB Corporation)  
Additional 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. Paul Daniel Hunter

License/Certificate Type - Number	Expiration Date
PE.0045076	03/31/2025

Status: **Active**

**Jeffrey M. Gazarek, ADCI**  
(Moffatt & Nichol, Inc.)  
Additional Certifications/  
Licenses

Association of Diving Contractors  
International  
Cert. # 47951  
Expires 08/21/2028

**MIXED GAS DIVING SUPERVISOR**

JEFFREY M. GAZAREK I.D. 3224

Commercial Diver Certification Card

National Highway Institute  
U.S. Department of Transportation  
Federal Highway Administration

**Certificate of Training**  
**JEFFREY GAZAREK**

Participated in  
FHWA-NHI-130053 Bridge Inspection Refresher Training

Served by  
LA DOTD/LTRC

Date: May 12-14, 2020 Hours of Instruction: 18  
Location: Web-Conference Course

Local Coordinator  
THOMAS HARRISON  
Thomas Harrison, Director  
National Highway Institute

**John Bernard, PE**  
(HNTB Corporation)  
Additional 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. John Randolph Bernard


License/Certificate Type - Number	Expiration Date
PE.0031026	03/31/2026

Status: **Active**



## 20. Certifications/Licenses

**Aravind Tankasala,**  
**PhD, PE**  
(HNTB Corporation)  
**Additional 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. Aravind Tankasala, Ph.D.**

License/Certificate Type - Number      Expiration Date  
**PE.0046286                                      03/31/2026**

Status: **Active**

**Patrick Duffy, PE**  
(HNTB Corporation)  
**Additional 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. Patrick Gabriel Duffy**

License/Certificate Type - Number      Expiration Date  
**PE.0045363                                      09/30/2025**

Status: **Active**

**Randal Bonura**  
(HNTB Corporation)  
**Additional 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. Randal John Bonura**

License/Certificate Type - Number      Expiration Date  
**PE.0039861                                      09/30/2025**

Status: **Active**

 **PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Randal Bonura**  
has attended  
**Traffic Control Supervisor Refresher-LA State Specific**  
Training Course

4/26/2022 to 6/28/2022  
Training Valid Through

Baton Rouge, LA  
Location

*James Truesher*  
Director of Training  
President, CEO

ATSSA provides training and certification for member association employees by ATSSA.  
 American Traffic Safety Services Association ATSSA.com

CERTIFICATE IS AWARDED TO  
**RANDAL BONURA**  
Has successfully completed a flagger training course meeting the  
requirements of the  
**LOUISIANA DEPARTMENT OF TRANSPORTATION  
& DEVELOPMENT**  
on the following date:  
**MAR 28, 2022**  
Valid for 4 years from completion date.  
Expires 03/28/26  
This certificate is valid for 4 years from completion date.  
Verify this certificate against the database on the ATSSA website at the following link:  
<https://www.atsssa.com/flagger> or duplicate  
123 57 72927

**Bruce Dyson, PE, PLS**  
(GOTECH, Inc.)  
**Additional Certifications/  
Licenses**

 **PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Bruce K Dyson**  
has attended  
**Traffic Control Technician-LA State Specific**  
Training Course

6/21/2022 to 6/21/2026  
Training Valid Through

Baton Rouge, LA  
Location

*James Truesher*  
Director of Training  
President, CEO

ATSSA provides training and certification for member association employees by ATSSA.  
 American Traffic Safety Services Association ATSSA.com

 **PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT


**Bruce K Dyson**  
has attended  
**Traffic Control Supervisor-LA State Specific**  
Training Course

6/22/2022 to 6/22/2026  
Training Valid Through

Baton Rouge, LA  
Location

*James Truesher*  
Director of Training  
President, CEO

ATSSA provides training and certification for member association employees by ATSSA.  
 American Traffic Safety Services Association ATSSA.com

 **American Traffic Safety  
Services Association**  
*SAFER. AHEAD. SAME. LIVES.*

*This is to affirm that*

**BRUCE DYSON**  
has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date **8/4/2022**      Instructor Name **Debbie Purcella**  
Exp. Date **8/4/2026**      *Debbie Purcella*  
State Issued **LA**      Instructor Signature  
V0000058731      Verify at Flagger.com

## 20. Certifications/Licenses

GOTECH, Inc.  
DBE Certificate



**LOUISIANA UNIFIED CERTIFICATION PROGRAM**  
**Disadvantaged Business Enterprise Program (DBE)**  
**Small Business Element (SBE)**

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations  
& under the State of Louisiana United Certification Program (LAUCP)

**GOTECH, Inc.**

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

**NC541330, NC541340, NC541370, NC541618**

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

**Certificate Eligibility: June 2024 to June 2025**

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

***Rhonda Wallace***

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



# 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
Moffatt & Nichol, Inc.	301 Main Street, Suite 800 Baton Rouge, Louisiana 70801	Chace Mikel Hulon, PE, ADC chulon@moffattnichol.com	(225) 336-2075
Burgess & Niple, Inc.	3867 Plaza Tower Drive Baton Rouge, Louisiana 70816	Edward Michael Cinadr, PE Ed.Cinadr@BurgessNiple.com	(614) 459-7272
Forte & Tablada, Inc.	9107 Interline Avenue Baton Rouge, Louisiana 70809	Russell J. "Joey" Coco, Jr., PE jcoco@forteandtablada.com	(225) 927-9321
GOTECH, Inc.	8383 Bluebonnet Boulevard Baton Rouge, Louisiana 70810	Rhaoul A. Guillaume, Sr., PE, F.ASCE rhaoul@gotech-inc.com	(225) 766-5358
KTA-Tator, Inc.	145 Enterprise Drive Pittsburgh, Pennsylvania 15275	Robert Lanterman rlanterman@kta.com	(412) 722-0745



# Section 23

Location

23. Location

Location is not required for this solicitation.