DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

IDIQ for

BRIDGE INSPECTION SERVICES STATEWIDE

CONTRACT NOS. 4400023510 | 4400023511 | 4400023512

February 24, 2022

HNTB

HNTB Corporation
The HNTB Companies
Infrastructure Solutions

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Baton Rouge, LA 70810

Phone: (225) 368-2800
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February 24, 2022

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

RE: Contract Nos. 4400023510, 4400023511 and 4400023512 - IDIQ for Bridge Inspection Services Statewide

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 4400023510, 4400023511 and 4400023512. Our team looks forward to the opportunity to assist the you with this bridge inspection IDIQ contract.

The HNTB team brings three key benefits to this assignment:

DEEP UNDERSTANDING OF THE LADOTD The HNTB team has an intimate knowledge of the LaDOTD's bridge inspection, design and maintenance staff, as well as its policies and procedures. As evidenced by our two previous inspection IDIQ contracts, the HNTB team will have no learning curve. We are committed to working collaboratively with you to deliver these inspection assignments in a manner that will exceed your expectations.

ROBUST, FULL-SERVICE, MULTI-DISCIPLINED TEAM The local core team is complemented by a deep bench of world-class technical professionals and nationally-recognized subject matter experts. HNTB has provided engineering services for numerous design, inspection and rating projects for the LaDOTD. Our team has substantial capacity and expertise, and offers the LaDOTD the flexibility to deliver multiple bridge projects simultaneously, if desired.

CRADLE TO GRAVE CONSULTANT The HNTB team has the experience and technical expertise to take any bridge inspection and translate those defects into repair plans. On the U.S. 90 bridge over the Atchafalaya River, we performed a routine NBIS inspection, developed repair recommendations based on the findings, converted those recommendations into rehabilitation plans and provided construction support during construction all with the same core group of bridge engineers.

Our team will be led by **Patrick Roth, PE.** Patrick is a leading bridge inspection engineer in the southeast, as he has worked with the LaDOTD on many previous bridge inspections. Patrick is supported by a strong team of professional engineers and inspectors who are very familiar with the LaDOTD's bridge inspection, maintenance and design policies and procedures.

Patrick and his team have consistently provided highly responsive and trusted engineering services to the LaDOTD for many years. Our bridge inspection team's workload is focused on the current LaDOTD bridge inspection IDIQ, and the team's workload is ready to transition into this new bridge IDIQ assignment.

We have assembled a robust group of subconsultants that bring the specialty skills required to provide full-service capabilities to complete all tasks required of this contract. Our subconsultants include minority-owned firms who all have a proven track record of performance with the LaDOTD and a habitual relationship with HNTB, so there is no learning curve to overcome.

Most importantly, our top priority is helping the LaDOTD be successful. We are pleased to have the opportunity to continue our partnership and assist you with this important bridge inspection program.

The HNTB team is ready to begin working now. We look forward to exceeding your expectations.

Respectfully submitted,
HNTB Corporation

Bryan Jones
Gulf Coast Office Leader
(225) 368-2803
bryanjones@hntb.com

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

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Section 1-11

LADOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised June 1, 2021)

1. Contract title as shown in the advertisement	IDIQ for Bridge Inspection Services Statewide
2. Contract number(s) as shown in the advertisement	4400023510, 4400023511, 4400023512
3. State Project Number(s), if shown in the advertisement	n/a
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required bylaw)	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	10000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	10000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810
8. Name, title, phone number, and email address of the official with signing authority for this proposal	Bryan Jones, Gulf Coast Office Leader (225) 368-2803; bryanjones@hntb.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Bryan Jones, Gulf Coast Office Leader (225) 368-2803; bryanjones@hntb.com

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. LaDOTD 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 (shall be the same person as #9):  Date: Month, day, year February 23, 2022
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): GOTECH, Inc. Firm(s)' %: 4%

Though this contract has no DBE requirement, HNTB remains committed to partnering with M/W/DBE firms whenever possible.

Section 12:
Past Performance Evaluation Discipline Table

12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE

Evaluation Discipline	% of Overall Contract	HNTB Corporation (Prime)	Moffatt & Nichol, Inc.	TRC Engineers, Inc	Forte & Tablada	Modjeski and Masters	GOTECH (DBE)	KTA-Tator, Inc.
Road	4%	75%					25%	
Bridge	90%	57%	20%	15%	3%	5%		
Survey	3%						100%	
Other (Advanced Measurements and Testing)	3%				25%	25%		50%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each subconsultant.								
Percent of Contract	100%	54.3%	18.0%	13.5%	3.45%	5.25%	4.0%	1.5%

Section 13:
Firm Size

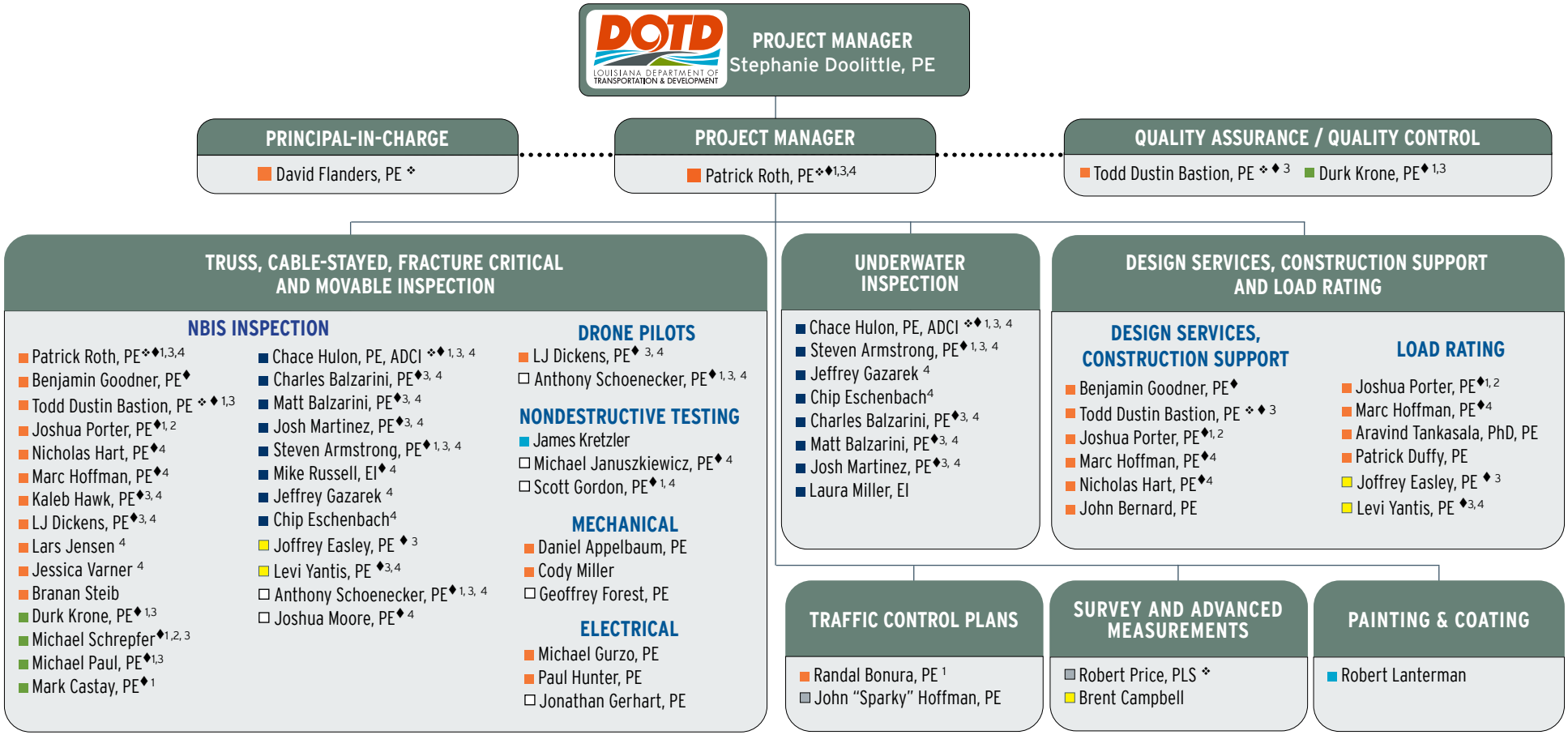
13. FIRM SIZE

Firm name	LaDOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this LaDOTD Job Classification (if needed)
HNTB	Accountant	2	20
	CADD Technician	1	5
	Clerical	2	16
	Designer	2	2
	Engineer (LA PE)	10	49
	Engineer Intern	3	256
	Engineer-Other	4	970
	Professional	9	1,563
	Principal	2	74
	Supervisor-Engineering	4	11
	Supervisor-Other	2	572
Moffatt & Nichol	Accountant	1	10
	CADD Technician	1	25
	Engineer (LA PE)	6	25
	Inspector – Bridge	12	50
	Supervisor – Engineer	2	8
	Technician	5	12

Firm name	LaDOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this LaDOTD Job Classification (if needed)
TRC Engineers	Principal	1	3
	Supervisor - Engineer	1	7
	Supervisor - Other	1	1
	Engineer	4	17
	CADD Tech	1	4
	Admin	1	2
	Inspector - Bridge	1	4
Forte and Tablada, Inc.	CADD Technician	4	8
	Engineer	1	4
	Instrument Man	1	1
	Party Chief	2	6
	Principal	1	3
	Rodman	1	11
	Senior Technician	1	3
	Supervisor Eng	1	4
	Surveyor	1	5
Modjeski and Masters	Principal	1	7
	Supervisor - Eng	4	15
	Supervisor - Other	1	11
GOTECH	CADD Technician	1	5
	Surveyor	2	7
KTA-Tator	Supervisor- Other	2	12

Section 14:
Organizational Chart

14. ORGANIZATIONAL CHART



- HNTB Corporation
- Moffatt & Nichol, Inc.
- TRC Engineers, Inc.
- Forte & Tablada
- Modjeski and Masters
- GOTECH, Inc. (DBE)
- KTA-Tator, Inc.

❖ MPR Personnel
♦ NHI/FHWA Certified Team Leader
1. Traffic Control Supervisor
2. LaDOTD Movable Bridge Inspection Workshop
3. FHWA/NHI Fracture Critical Inspector Course
4. 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 / certification required	State of license	License / certification expiration date
1	David Flanders, PE	HNTB	PE	LA	09/30/22
2	Todd Dustin Bastion, PE	HNTB	PE	LA	03/31/22
3	Patrick Roth, PE	HNTB	PE	LA	09/30/23
4	Chace Hulon, PE	Moffatt & Nichol	PE	LA	09/30/23
5	Robert Price, PLS	GOTECH	PLS	LA	03/31/22

Section 16:
Staff Experience

16. STAFF EXPERIENCE

Firm employed by HNTB

Name	**Patrick Roth, PE** *Meets MPR No. 3*	**Years of relevant experience with this employer**	10
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 • NHI-130055 - Safety Inspection of In-Service Bridges • NHI-130078 - Fracture Critical Inspection Techniques For Steel Bridges • SPRAT Level I Rope Access Technician • ATSSA Traffic Control Supervisor
Active registration number / state / expiration date	41553 / LA / 9-30-2023; 28132 / MS / 12-31-2022; 092717 / NY / 02-28-2022

Year registered	LA: 2017; MS: 2017; NY: 2013	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Project Manager; Truss, Cable-Stayed, Fracture Critical and Moveable 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 time specified in the applicable MPR(s).**
Patrick is project manager and NHI/FHWA Certified Team Leader in HNTB's bridge group and brings 14 years of structural and bridge engineering experience including the inspection, analysis and rehabilitation of existing structures as well as design of new bridges. He is also experienced in construction management and has provided on-site services for bridge construction projects. As project manager/lead inspection team leader, Patrick is responsible for planning, scheduling all personnel and equipment, coordination with multiple agencies, and managing multiple teams in the field to ensure completion of the project with high quality, on time, on budget, to the client's satisfaction.	
05/21 - present	**Arkansas Department of Transportation (ArDOT), Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas and Memphis, Tennessee** Patrick served as team leader for the emergency inspections of the back-to-back, 900-foot tied trussed arch bridge unit over the Mississippi River. These inspections resulted from the identification of a significant fracture in a section of the fracture critical tie girder, requiring immediate closure of the span to traffic and the Mississippi River to navigation traffic. HNTB assisted the Arkansas Department of Transportation with the review of repairs designed by the Tennessee Department of Tennessee's consultant. HNTB developed a structural model which demonstrated that there was no viable alternative load path and that the bridge should remain closed until repairs could be safely implemented.
03/16 - present	**LaDOTD 2016 and 2019 Retainer Contracts for NBIS Inspection of Complex Bridges, Statewide, Louisiana** Patrick served as project manager/lead team leader for the NBIS in-depth inspections of I-310 Luling Mississippi River, John James Audubon Mississippi River Bridge, LA 23 Judge Perez Bridge, LA-1 Lockport Bridge, U.S. 90 Atchafalaya River Bridge, I-10 Calcasieu River Bridge, I-10 Baton Rouge Mississippi River Bridge, U.S. 90 Danziger Bridge, Ted Hickey Bridge and Claiborne Avenue bridges. Bridge types inspected include cable stayed, cantilever truss, movable, PPC girders, deck truss and steel trestle bents. 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.

Name Patrick Roth, PE (cont'd)	
02/17 - 06/17, 02/21 - 5/21	**LaDOTD, I-310 Mississippi River Bridge In-Depth Inspection, Luling, Louisiana** Patrick served as project manger/team leader in the 2017 and 2021 in-depth inspections of this orthotropic deck cable-stayed bridge crossing the Mississippi River. His duties included planning inspection, scheduling all personnel and equipment and managing multiple teams in the field to ensure completion of the inspection of the superstructure which consists of longitudinal box girders, under-side of orthotropic deck, floor beams, cross girders and lower cable anchorages. Patrick also led the inspection via rope access of the steel towers, stay cables and friction dampers. Fracture critical members were inspected by Patrick as part of this work. He was also responsible for the development of the element level report and in-depth inspection report.
09/17 - 01/22	**LaDOTD, Trust Indenture Inspection of the LA-1, Phase 1 Elevated Highway, Golden Meadow, Louisiana** Patrick served as lead Certified Team Leader /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 nine miles between Leeville and Port Fourchon, Louisiana. Patrick also assisted with development and quality control of the inspection reports and repair recommendations. HNTB has received 5 out of 5 performance rating scores from the LaDOTD project manager for these annual inspections.
02/17 - 06/17	**LaDOTD, U.S. 90 Atchafalaya NBIS Inspection and Rehabilitation, St. Mary Parish, Louisiana** Patrick served as team leader and on-site project engineer performing CE&I services for this bridge rehabilitation project. He was a certified team leader for the NBIS in-depth inspection of this bridge and assisted in the development of the rehabilitation plans. His duties as project engineer included answering RFIs, reviewing shop drawings and all contractor submittals, inspection of all structural construction activities, final acceptance inspection and quality assurance, and assisting the LaDOTD with closeout documentation.
11/17-03/18	**LaDOTD, NBIS In-Depth Inspection of the LA-23 Judge Perez Bridge, Belle Chasse, Louisiana** Patrick served as project manger/ team leader in the 2017 in-depth inspection of this vertical lift bridge crossing the Intracoastal Waterway. His duties included planning inspection, scheduling all personnel and equipment and managing multiple teams in the field. Fracture critical members were inspected by Patrick as part of this work. He was also responsible for the development of the InspectTech element level report and in-depth inspection report.
04/17-09/17	**LaDOTD, NBIS In-Depth Inspection of the LA-1 Lockport Bridge, Lockport, Louisiana** Patrick served as project manger/team leader in the 2017 in-depth inspection of this vertical lift bridge crossing the Company Canal. His duties included managing inspection and working with subconsultants to complete the inspection. Fracture critical members were inspected by Patrick as part of this work. He was also responsible for quality control of the InspectTech element level report and in-depth inspection report.
05/16 - 01/17	**Metropolitan Transportation Authority (MTA), 2016 Biennial Inspection of Verrazano Narrows Bridge, New York** Patrick was lead team leader and field project manager responsible for managing and scheduling multiple inspection teams in the field for the five-month-long inspection of this 13,700-foot (4,260-foot main span) double level suspension bridge for the MTA. This complex inspection included fracture critical elements, non-destructive testing of pins, rope access inspection of cables, and numerous types of access equipment and inspection techniques. Patrick was responsible for cost control and schedule of personnel and equipment in order to complete the job with high quality, on time and on budget. He was also responsible for preparation of the State Biennial Inspection Report.
05/15 - 03/16	**New York State Department of Transportation (NYSDOT), 2015/2016 Biennial/Interim Inspection of Arterial and Local Bridges, Bronx County, Bronx, New York** Patrick was the NBIS-certified team leader responsible for the biennial inspection and writing the inspection reports of multiple arterial highway and pedestrian bridges throughout Bronx County for the NYSDOT.
06/14 - 03/16	**MTA 2014/2015 Biennial Inspection and Special Inspection of the Robert F. Kennedy Bridge, New York, New York** Patrick was the NBIS team leader/field project manager on this vertical lift bridge and multiple approach ramps for the MTA. He was responsible for coordinating multiple inspection teams in the field, managing structural flags and writing the Biennial Inspection Reports.

16. STAFF EXPERIENCE

Firm employed by	HNTB		
Name	**David Flanders, PE** *Meets MPR No. 1*	Years of relevant experience with this employer	14
Title	Vice President	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization	MBA / 1991 / Business BS / 1983 / Civil Engineering		
Active registration number / state / expiration date	35264 / LA / 09-30-2022; 17666 / GA / 12-31-2022		
Year registered	LA: 2010; GA: 1989	Discipline	Civil
Contract role(s) / brief description of responsibilities	Principal-in-Charge		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	David has more than 38 years of consulting engineering experience including design and management of projects and service areas involving civil, transportation, municipal and water engineering. He has been responsible for design, project management and office operations management, and has served in management roles on major program management assignments including Louisiana's Submerged Roads Program, the Georgia Department of Transportation's Office of Innovative Delivery Program Management contract, and the City of Biloxi, Mississippi's Infrastructure Repair Program. He has also served as a project manager and principal for numerous major infrastructure projects in Louisiana, Georgia and Mississippi.
04/13 - 09/16	**LaDOTD, Leeville to Golden Meadow (Phase 2), LaFourche Parish, Louisiana** David served as project manager for the design of a nine-mile relocated LA-1 highway from Leeville to Golden Meadow. The project included the design and permitting of a 300-foot T-wall requiring 408 and 404 permits from United States Army Corps of Engineers (USACE), New Orleans District. Additionally, the design included provisions for ITS and tolling facilities.
01/11 - 07/16	**LaDOTD, Retainer Contract for Bridge Preservation, Statewide, Louisiana** David served as principal and power of attorney for contract and task order execution and operational responsibility for performance for this retainer contract for the LaDOTD. The work included engineering and related services such as roadway design, lighting design, fixed and movable bridge design, load rating and testing and design peer review.
05/08 - 09/12	**LaDOTD, Submerged Roads Program, New Orleans, Louisiana** David served as principal and project advisor for this $120 million street repair program. His responsibilities included staffing, project quality reviews, consultant contracting, resource allocations, agency coordination and public outreach initiatives.
10/08 - 05/16	**Biloxi Infrastructure Repair Program, Biloxi, Mississippi** David served as principal for this $335 million comprehensive hurricane damage infrastructure and repair program. HNTB was contracted to provide program administration, management, construction engineering and inspection, among other services, for the City of Biloxi. The program included close coordination with the Mississippi Emergency Management Agency, Federal Emergency Management Agency, local utility providers and the Mississippi Department of Transportation.
09/12 - 07/16	**LaDOTD, Paths to Progress Program, New Orleans, Louisiana** David served as a program administrator of this program. His responsibilities included staffing, project quality reviews, consultant contracting, resource allocations, agency coordination and public outreach initiatives.

16. STAFF EXPERIENCE

Firm employed by HNTB			
Name	**Todd Dustin Bastion, PE** *Meets MPR No. 2*	**Years of relevant experience with this employer**	8
Title	Bridge Department Manager	**Years of relevant experience with other employer(s)**	7
Degree(s) / Years / Specialization	BS / 2007 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI/FHWA Fracture Critical Inspector Course		
Active registration number / state / expiration date	36719 / LA / 03-31-2022; 21004 / MS / 12-31-2022		
Year registered	LA: 2011 ; MS: 2012	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Quality Assurance / Quality Control; Truss, Cable-Stayed, Fracture Critical and Moveable Inspection; Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
	Dusty has experience in project management, design, detailing, analysis, inspection and load rating of bridge structures. His experience includes many types of superstructures and substructures in projects varying from multi-level interchanges to off-system bridge replacements. His responsibilities include structural design, plans, specifications and estimates development, specifications development, cost estimating, quality control review and project management ranging from standard bridge projects to non-typical accelerated time frame projects. He is proficient with NBIS element level inspection procedures, AASHTO LRFD bridge design specifications and experienced in MicroStation, Inroads, ProjectWise, STAAD, Conspan, Mathcad, RC Pier and BrR. He is a former LaDOTD engineer and is familiar with LaDOTD inspection and project development processes.
01/17 - present	**LaDOTD, U.S. 90 Atchafalaya River Bridge Repairs, Morgan City, Louisiana** Dusty served as project manager for this steel through-truss structure, which crosses the Atchafalaya River in Morgan City, LA. This project consists of numerous structural repairs to the steel superstructure and painting work which will allow the bridge to function for the foreseeable future. Mr. Bastion has managed distribution of all work assignments to-date, including both internal assignments and workshare with other offices as well as ensuring all quality checks were completed. This project development phase was accelerated to allow the client to start construction work as early as possible. Currently this project is under construction, and submittal reviews are currently underway. Prior to bridge rehabilitation work, he participated as a lead inspector in the in-depth inspection of this structure. All bridge repairs were developed based off of this in-depth inspection.
02/17 - 06/17	**LaDOTD, NBIS In-Depth Inspection of the I-310 Mississippi River Bridge, Luling, Louisiana** Dusty assisted in the 2017 in-depth inspection of this orthotropic deck cable-stayed superstructure bridge crossing the Mississippi River. His duties included inspection of the under-deck areas of the superstructure consisting of longitudinal box girders, under-side of orthotropic deck, floorbeams, cross girders and lower cable anchorages. Fracture critical members were inspected by Mr. Bastion as part of this work. After the inspection, he helped quality check the draft inspection report.

Name Todd Dustin Bastion, PE (cont'd)	
03/16 - 01/17	**LaDOTD, NBIS In-Depth Inspections of the I-10 Mississippi River Bridge, I-10 Calcasieu River Bridge and John James Audubon Bridge, Statewide, Louisiana** Dusty assisted in the 2016 NBIS In-Depth Inspections of all three of these structures and during some periods, served as the Certified Team Leader. Two of these bridges are through-truss type superstructures which contain fracture critical components while one is a cable-stayed superstructure. During the I-10 Mississippi River Bridge (through-truss) inspection, Dusty inspected various superstructure components and was charged with developing portions of the in-depth inspection report. For the I-10 Calcasieu River Bridge (through-truss) inspection, Dusty inspected superstructure components and performed quality control reviews for many inspection documents including inspection notes and the report. For the John James Audubon Bridge (cable-stayed) inspection, Dusty inspected the towers as well as the upper and lower cable anchorages.
09/17 – 01/22	**LaDOTD, Trust Indenture Inspection of the LA-1, Phase1 Elevated Highway, Golden Meadow, Louisiana** Dusty has assisted in multiple trust indenture inspections of this elevated state highway structure extending approximately nine miles between Leeville and Port Fourchon, Louisiana. He assisted with inspecting the superstructure of this PPC girder bridge with reinforced concrete substructures. Dusty also assisted with development and quality control of the inspection reports and repair recommendations.
08/12 - 11/12, 09/14 - 01/15	**MDOT, Pin & Link Replacement and NBIS Routine Inspection and of U.S. 84 Mississippi River Bridges, Natchez, Mississippi** Dusty Led inspection teams during the 2012 and 2014 NBIS routine bridge inspections of the U.S. 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. Dusty inspected various bridge components and assisted with the development of an inspection report. For the pin and link replacement work on the westbound structure, he was developed various repair plans, performed quality checks, developed cost estimates, and project coordination with MDOT as well as internal staff.
07/17 - present	**Port of New Orleans (PONO), St. Claude Second Link Pin Repairs, New Orleans, Louisiana** Dusty is the project manager and lead structural engineer for this movable bridge rehabilitation projects in New Orleans. The St. Claude Bridge is a Strauss-type single-leaf bascule bridge owned by the PONO and carries four lanes of vehicular traffic over the Inner Harbor Navigation Canal. The project includes structural and mechanical inspection of select bridge components exhibiting deterioration and the repair plan details that are required to return these components to proper functionality.
08/15 - 05/18	**PONO, Florida Avenue Electrical and Structural Repairs and Pinion Bearing Replacement, New Orleans, Louisiana** Dusty is the project manager and lead structural engineer for these two movable bridge rehabilitation projects in New Orleans. The Florida Avenue Bridge is a vertical lift span bridge owned by the PONO and carries vehicular and rail traffic over the Inner Harbor Navigation Canal. The electrical and structural repairs are required to fix damages caused by Hurricane Katrina and an unrelated vessel impact. The pinion bearing replacement repairs are required to ensure the bridge's continuous operation for vessel traffic along the Inner Harbor Navigation Canal (IHNC). This bearing replacement project was developed and completed in less than a two month duration.

16. STAFF EXPERIENCE

Firm employed by HNTB

Name	**Benjamin Goodner, PE**	**Years of relevant experience with this employer**	14
Title	Bridge Engineer	**Years of relevant experience with other employer(s)**	0

Degree(s) / Years / Specialization	BS / 2008 / Civil Engineering Additional Training/Certifications: • NHI-130055 - Safety Inspection of In-Service Bridges • NHI/FHWA Certified Team Leader
Active registration number / state / expiration date	38208 / LA / 03-31-2022

Year registered	2013	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable Inspection; Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
Ben's experience is in bridge, floodwall, roadway and drainage design, analysis and inspection. He is a NHI Certified Team Leader and led the inspection of the approximately seven-mile LA-1 Phase 1 Bridge between Leeville and Port Fourchon, Louisiana.	
03/16 - 06/16	**LaDOTD, I-10 Calcasieu River In-Depth Bridge Inspection, Lake Charles, Louisiana** Team leader on the inspection of this Calcasieu River Truss Bridge, identifying and documenting deficiencies, and developing inspection reports. Mr. Goodner also developed and report summarizing repair recommendations and prioritization based on need and cost.
02/17 - 06/17	**LaDOTD, I-310 Mississippi River Bridge In-Depth Inspection, Luling, Louisiana** Ben served as team leader and identified and documented deficiencies and developed inspection reports. As part of a five-year complex bridge inspection retainer, HNTB completed a NBIS in-depth inspection of the I-310 Mississippi River bridge. 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 designers with experience in design of cable stayed-bridges. 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.
06/17 - 09/17	**LaDOTD, U.S. 90 Atchafalaya NBIS Inspection, Morgan City, Louisiana** Ben was the lead engineer in developing rehabilitation plans for the U.S. 90 Atchafalaya River Bridge based on the inspection report. Repair items consisted of lower chord splice plate repairs, connection angle and plate retrofits and replacements, replacing missing or severely corroded bolts and rivets, retro fit of a new safety cable system and gusset plate stiffening.
01/17 - 08/17	**MDOT, U.S. 84 Mississippi River Westbound Bridge Painting and Pin & Link Replacement, Natchez, Mississippi** Ben served as an inspector of the bridge components and assisted with traffic control for routine inspections of the two steel superstructure through-truss bridges spanning over the Mississippi River. He assisted with plan development on this Mississippi River Bridge rehabilitation project and assisted the contractor in inspecting and identifying areas of concern.

16. STAFF EXPERIENCE

Firm employed by	HNTB		
Name	**Joshua Porter, PE**	**Years of relevant experience with this employer**	5
Title	Bridge Project Engineer	**Years of relevant experience with other employer(s)**	6
Degree(s) / Years / Specialization	BS / 2010 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI-130053 - Bridge Inspection Refresher • LaDOTD Movable Bridge Inspection Workshop		
Active registration number / state / expiration date	0039513 / LA / 09-20-2023		
Year registered	2015	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable Inspection; Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
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 AASHTO LRFD Bridge Design Specifications and the AASHTO Manual for Bridge Evaluation. He has experience with AASHTO Bridge Rating and Bridge Design, LEAP CONSPAN AND RC Pier, STAAD and CSi Bridge.	
02/17 - 06/17	**LaDOTD, I-310 Mississippi River Bridge In-Depth Inspection, Luling, Louisiana** Josh was the team leader who identified and documented deficiencies and developed inspection reports. His inspection responsibilities included the bottom chord, bottom of deck, gusset plates and floor system. As part of a five-year complex bridge inspection retainer, HNTB completed a NBIS in-depth inspection of the I-310 Mississippi River bridge. 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 designers with experience in design of cable stayed-bridges. 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.
10/16 - 01/18	**LaDOTD, Load Rating Of Complex Bridges, Rapids And St. Mary Parishes, Louisiana** Josh was the lead rating engineer for the inspection and load rating of two truss bridges: the LA-182 over Charenton Canal Bridge and the Jackson Street Bridge over the Red River. He completed the load rating of the Charenton Canal truss and reinforced concrete spans, developed the load rating report, and in a separate project, developed means to rehabilitate the structure. He led the inspection of the Jackson Street Bridge in Alexandria, Louisiana. He also oversaw and checked the rating of the truss and steel girder spans and substructures of the Jackson Street bridge.
03/17 - 03/17	**LaDOTD, U.S. 90 over Atchafalaya River Bridge Inspection, St. Mary Parish, Louisiana** Josh led an inspection team for the inspection of a steel through truss bridge crossing the Atchafalaya River. His inspection responsibilities included the bottom chord, bottom of deck, gusset plates and floor system.

Name Josh Porter, PE (cont'd)	
02/16 - 05/16	**LaDOTD, Inspection of U.S. 80 Over Red River (Texas Street), Shreveport, Louisiana*** Josh led 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. He 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.
11/13 - 11/15	**LaDOTD, US 11 Lake Pontchartrain, St. Tammany Parish, Louisiana*** Josh was inspector, plan developer and designer who assisted in the inspection and cataloging of large deficiencies. He also 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 CFRP wrapping of the girders and piles, and the installation of passive corrosion resistance. U.S. 11 Lake Pontchartrain was a project to rehabilitate an existing five-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	**LaDOTD, I-10 Bridge Evaluation, Lafayette and St. Martin Parishes, Louisiana*** Josh was a 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, Louisiana for widening.
12/14 - 06/15	**LaDOTD, 18 Posted Bridges, Various Locations, Louisiana*** Josh was 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 in Louisiana. He led the inspections to verify major deficiencies listed in previous inspection reports. He also 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, prestressed concrete girder spans, steel truss swing spans and reinforced concrete slab spans. Refined analysis was used to justify the removal of the posting on some of the structures. For others, it was determined to either rehabilitate or replace the structures.

**Denotes work completed at previous firm.*

16. STAFF EXPERIENCE

Firm employed by	HNTB		
Name	**Nicholas Hart, PE**	**Years of relevant experience with this employer**	7
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 • SPRAT Training (Rope Access)		
Active registration number / state / expiration date	31719 / LA / 03-31-2023		
Year registered	2018	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable Inspection; Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
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 inspection of various types of superstructures and substructures, design of structures other than traditional bridges, plan development and quality control 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.	
03/16 - 06/16, 10/21 - 01/22	**LaDOTD, I-10 Calcasieu River In-Depth Bridge Inspection, Lake Charles, Louisiana** Nicholas served as an inspector for this project in which HNTB assisted the LaDOTD in completing NBIS in-depth and element level inspections of complex long-span and movable bridges and structures from 2016 through 2020. Bridge types inspected include cable stayed, cantilever truss, movable, PPC girders, deck truss and steel trestle bents. Inspections of the cables, trusses and other bridge members high above the water have been performed using climber 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.
02/17 - 06/17, 02/21 - 5/21	**LaDOTD, I-310 Mississippi River Bridge In-Depth Inspection, Luling, Louisiana** Nicholas served as an inspector who identified and documented deficiencies and developed inspection reports. As part of a five-year complex bridge inspection retainer, HNTB completed a NBIS in-depth inspection of the I-310 Mississippi River Bridge. 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 designers with experience in design of cable stayed-bridges. 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.
02/17 - 06/17	**LaDOTD, U.S. 90 Atchafalaya NBIS Inspection, St. Mary Parish, Louisiana** Nicholas served as an inspector for this project in which HNTB assisted the LaDOTD in completing NBIS in-depth and element level inspections of complex long-span and movable bridges and structures from 2016 through 2020. 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. The U.S. 90 Atchafalaya River Bridge and approaches NBIS in-depth inspection of the cantilever truss bridge and steel trestle bent approaches (6,617 square feet of bridge including 840-footcantilever span unit) which included hands-on inspection of the truss members, floor beams, stringers, trestle bents, deck, and other miscellaneous components. Inspection also included ultrasonic testing of fracture critical pins, and coating corrosion assessment.

Name Nicholas Hart, PE (cont'd)	
04/20 - 07/20	**LaDOTD, Load Rating of Off-System Bridges, North Louisiana** Nicholas served as a bridge engineer who completed load ratings using AASHTOWare Bridge Rating and Bentley STAAD.pro software to model the superstructures and substructures of 53 bridge structures. Upon completion of ratings, summary reports of the findings and recommendations were provided to the LaDOTD. The structures varied in complexity and included steel girders, reinforced concrete girders, reinforced concrete slabs, prestressed concrete girders and prestressed concrete slabs.
03/17 - present	**LaDOTD, U.S. 90 Atchafalaya River Bridge Rehab, Morgan City, Louisiana** Nicholas was tasked with utilizing the inspection report from the previous inspection to design and detail rehabilitation plans for the U.S. 90 Atchafalaya River Bridge. The repairs were limited to work on the through truss superstructure and included replacing splice plates, angle connections and missing or severely corroded bolts.
03/20 - 07/20	**LaDOTD, Routine Inspections of John James Audubon Bridge and I-10 Mississippi River Bridge, Statewide, Louisiana** Nicholas served as a bridge engineer who assisted in the 2020 routine inspections of both of these structures. One of these is a through-truss main span with deck truss approach spans and one is a cable-stayed superstructure. During the I-10 Mississippi River Bridge (through-truss) inspection, he utilized his SPRAT Training to access and inspect various superstructure components of the through truss and deck truss and was charged with updating the element level inspection report. For the John James Audubon Bridge (cable-stayed) inspection, he inspected the interior of the towers and the superstructure and utilized his SPRAT Training to inspect the exterior of the towers, upper and lower cable anchorages, and the cables.
05/14 - present	**LaDOTD, I-20 Ouachita River Bridge, Ouachita Parish, Louisiana** Nicholas was a project engineer who provided bridge rehabilitation for 16 connected bridge structures. He performed a damage assessment inspection and developed 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.
09/19 - 05/20	**LaDOTD, LRFR Bridge Ratings for I-10, Lake Charles, Louisiana** Nicholas served as a bridge engineer who completed load ratings using AASHTOWare Bridge Rating and Bentley STAAD.pro software to model superstructure and substructure for 25 bridge structures. Upon completion of ratings, summary reports of the findings and recommendations were provided to the LaDOTD. The structures varied in complexity and included steel girders, reinforced concrete girders, reinforced concrete slabs, prestressed concrete girders and prestressed concrete slabs.
08/15 - 09/15	**Texas Department of Transportation, Fort Hood Bridge Inspection, Killeen, Texas** Nicholas was a project engineer that assisted the Certified Team Leader with an NBIS inspection on the Fort Hood Army Base. The project required the inspection of 27 structures, writing and creating inspection reports for all structures, conducting a thorough QC/QA process, and delivering the final packages and any other applicable documents to the client.

16. STAFF EXPERIENCE

Firm employed by	HNTB		
Name	**Marc Hoffmann, PE**	**Years of relevant experience with this employer**	4
Title	Engineer III	**Years of relevant experience with other employer(s)**	3
Degree(s) / Years / Specialization	MS / 2018 / Civil Engineering BS / 2015 / Civil Engineering Additional Training/Certifications: • SPRAT Training (Rope Access)		
Active registration number / state / expiration date	44342 / LA / 09-30-2022		
Year registered	2020	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable Inspection; Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
Marc serves as a bridge engineer in HNTB's Baton Rouge office. He brings over seven 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.	
01/15 - 06/16	**LaDOTD, Load Rating of 125 Bridges, Statewide, Louisiana** This project consisted of analyzing 125 on-system bridges in Louisiana with the goal of providing the LaDOTD with an overall assessment of the current condition of each bridge. The bridges to be analyzed consisted of reinforced concrete slab bridges, reinforced concrete beam bridges, prestressed concrete beam bridges and steel I-beam bridges. As a technical engineer for the project, Marc 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. 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.
06/16 - 02/17	**LaDOTD, Inspection and Load Rating of 3 Complex Truss Bridges, Statewide, Louisiana** This project consisted of performing load rating analysis of three major truss bridges in Louisiana with the goal of providing the LaDOTD with an overall assessment of the current condition of each bridge. Along with analyzing each truss bridge, inspections were performed for the gusset plates of each truss bridge. As an inspector and technical engineer for the project, Marc performed the inspections of the gusset plates for each of the three truss bridges with colleagues. For the inspection, Marc 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.

Name Marc Hoffmann, PE (cont'd)	
12/21 - 12/21	**LaDOTD, I-10 Calcasieu River Bridge Inspection, Lake Charles, Louisiana** Marc served as team leader and rope access technician for this project, which consisted of providing an NBIS in-depth inspection of the I-10 bridge over Calcasieu River. Marc was tasked with inspecting the deck as well as the bottom chord and bottom chord gusset plates of the main truss span via rope access techniques. He 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.
08/19 - 05/20	**LaDOTD, Load Rating of 27 Complex Bridges, Statewide, Louisiana** Marc served as team leader and rope access technician for this project, which consisted of analyzing 27 complex on-system bridges in Louisiana with the goal of providing the LaDOTD with an overall assessment of which bridges would be candidates for widening. The bridges to be analyzed consisted of haunched reinforced concrete girder bridges, prestressed concrete girder bridges, steel I-beam bridges, and curved steel I-beam bridges. Marc 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. He also permed quality control of bridges that were analyzed by younger engineers to ensure compliance with AASHTO codes. He ensured the results and evaluation reports compiled by younger engineers accurately reflected the condition of the bridge.
03/21 - 03/21	**LaDOTD, I-310 over Mississippi River Inspection, Luling, Louisiana** Marc served as team leader and rope access technician for this project, which consisted of providing an NBIS in-depth inspection of the I-10 bridge over the Mississippi River. Marc was tasked with inspecting the top chord, top chord gusset plates, bottom chord, bottom chord gusset plates and top chord sway frame members via rope access techniques. In order to avoid lane closures, the entire bridge was inspected via rope access techniques. Marc took measurements of cracks/deficiencies, recorded observations, organized and uploaded written field observations to a central server and assisted in developing the inspection report for the bridge.
05/14 - present	**LaDOTD, I-20 Ouachita River Bridge, Ouachita Parish, Louisiana** Marc was a project engineer for this project, providing bridge rehabilitation for 16 connected bridge structures. He performed a damage assessment inspection and developed 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.

16. STAFF EXPERIENCE

Firm employed by HNTB

Name	**Kaleb Hawk, PE**	**Years of relevant experience with this employer**	8
Title	Bridge Project Engineer	**Years of relevant experience with other employer(s)**	6

Degree(s) / Years / Specialization	MS / 2013 / Civil Engineering BS / 2012 / Civil Engineering Additional Training/Certifications: • NHI-130055 - Safety Inspection of In-Service Bridge • NHI-130078 - Fracture Critical Inspection Techniques for Steel Bridges • NHI/FHWA Certified Team Leader • SPRAT/IRATA Level I Certification
Active registration number / state / expiration date	P24549 / IA / 12-31-2023; PE25685 / KS / 04-30-2022; PE137610 / TX / 12-31-2022

Year registered	IA: 2018; KS: 2018; TX: 2020	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable 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 time specified in the applicable MPR(s).**
	Kaleb is a certified routine and fracture critical bridge inspection team leader and has performed over 1,000 bridge inspections for various owners. The majority of his work 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.
06/20 - 07/20	**LaDOTD, I-10 Baton Rouge NBIS In-Depth Inspection, Baton Rouge, Louisiana** Kaleb served as team leader and rope access technician for the routine inspection of the 4,550-foot-long bridge carrying six lanes of I-10 across the Mississippi River in Baton Rouge. He 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 inspection the different superstructure elements.
05/21 - present	**ArDOT, Hernando de Soto Bridge (I-40) over the Mississippi River, West Memphis, Arkansas and Memphis, Tennessee** Kaleb served as team leader, leading 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 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.
06/20 - 07/20	**LaDOTD, U.S. 90 - Pin/Eyebar Inspection and UT Testing, New Orleans, Louisiana** Kaleb served as inspector performing fracture critical visual inspections of upper chord eyebars for the 3,030-foot-long continuous truss GNO#2 carrying U.S. 90 over the Mississippi River in New Orleans. The inspection included overseeing the UT testing of upper node pins. SPRAT rope access techniques were utilized to achieve the necessary access to pins and eyebars.
06/15 - 07/20	**Kansas Department of Transportation (KDOT) Local Bridge Ratings, Statewide, Kansas** Kaleb served as the deputy project manager who was responsible for data collection for a select group Kansas bridges. He also performed inspections, recorded field measurements and complete bridge ratings using AASHTOWare. Each year approximately 250 bridges are inspected and load rated.

16. STAFF EXPERIENCE

Firm employed by	HNTB		
Name	**Loren "LJ" Dickens, PE**	Years of relevant experience with this employer	11
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: • NHI-130055 - Safety Inspection of In-Service Bridges • NHI-130053 - Bridge Inspection Refresher Training • NHI-130078 - Fracture Critical Inspection Techniques for Steel Bridges • NHI-135046 - Stream Stability and Scour at Highway Bridges • NHI-130092 - Fundamentals of LRFR and Applications of LRFR for Bridge Superstructures • NHI-130087 - Inspection and Maintenance of Ancillary Highway Structures • SPRAT - Level 1 Certification • AREMA - Bridge Inspection and Streambed Scour Seminar • OSHA - 10-Hour Construction Safety Course		
Active registration number / state / expiration date	51676 / CO / 10-31-2023; P26986 / IA / 12-31-2022; 22032 / KS / 04-30-2022; 2019032111 / MO / 12-31-2023; E-15109 / NE / 12-31-2023; 27840 / OK / 11-30-2023; 119580 / TX / 12-31-2022		
Year registered	CO: 2014; IA: 2021; KS: 2011; MO: 2019; NE: 2014; OK: 2015; TX: 2015	Discipline	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable 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 time specified in the applicable MPR(s).
	LJ is a project manager, certified routine and fracture critical bridge inspection team leader, SPRAT Rope Access Technician and FAA-Part 107 pilot working in HNTB's Kansas City Metro office. He has performed over 1,200 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.
06/20 - 07/20	**LaDOTD, I-10 Baton Rouge NBIS In-Depth Inspection, Statewide, Louisiana** LJ served as team leader/rope access technician performing fracture critical visual inspections for the Mississippi River bridge carrying I-10 in Baton Rouge. The inspection 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.

Name LJ Dickens, PE (cont'd)	
12/21 - present	**Kansas City Southern (KCS), 2021-2022 Truss Inspections, Multiple States** LJ served as task lead, inspection coordinator, team leader and rope access technician for in-depth inspections of KCS bridges. He coordinated access, protection permits and teams from Kansas City, Baton Rouge and Dallas to complete the inspection of 19 bridges located in Missouri, Oklahoma, Arkansas, Mississippi, Louisiana and Texas. Structure types included trusses, through plate girders and deck plate girders. The inspections included gathering sufficient data to perform load ratings. Inspections utilized rope access without stopping train traffic, which prevented costly delays.
05/21 - 09/21	**ArDOT, I-40 Hernando De Soto Bridge Emergency Inspection and NDT Evaluation, Memphis, Tennessee** LJ served as inspection coordinator and head team leader for the emergency inspection of the I-40 Mississippi River 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 non-destructive testing (NDT)-Eddy current and phased array ultrasonic examination. LJ 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 - present	**KDOT, Off-System Fracture Critical Inspections, Kansas** LJ was a 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. He performed duties for counties including Wyandotte, Johnson, Douglas, Geary, Cloud, Neosho, Wabaunsee, Wilson and Chautauqua. He was 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 snoopers. Bridge types included through trusses, pony trusses, deck trusses and two-girder.
06/12 - 11/15	**USACE, Short and Medium Bridge Inspections, Nationwide** LJ served as a team leader/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. Following the in-depth inspections, he was responsible for writing and/or checking inspection reports 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	**Colorado Department of Transportation (CDOT), Statewide Off-System Bridge Inspections, Colorado*** LJ was the project manager and inspection coordinator for this project that involved the inspection, report generation and BrM data submission for over 850 locally-owned bridges throughout the central region of Colorado. Following CDOT 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 ADT counts at over 1,000 bridge locations.

**Denotes work completed at a previous firm.*

16. STAFF EXPERIENCE

Firm employed by HNTB

Name	**Lars Jensen**	**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 / 2021 / Civil Engineering		
Active registration number / state / expiration date	Additional Certifications/Training: • SPRAT Training (Rope Access)		
Year registered		**Discipline**	
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable 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 time specified in the applicable MPR(s).
Lars serves as an engineer in HNTB's Baton Rouge office. In his first year of experience, he became an IRATA-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.	
10/21 - 12/21	**MDOT, U.S. 84 Over Mississippi River, Natchez, Mississippi** Lars serves as an inspector for the in-depth, fracture critical inspection of a five-span cantilever truss bridge. His tasks included training and operation of the manlift and snooper.
09/21 - 11/21	**LaDOTD, LA 1 Over Louisiana Delta, Leeville, Louisiana** Lars serves as an inspector for the post-hurricane trust indenture inspection of an elevated slab span, prestressed girder, and steel girder bridge. The work included walking over seven mile of bridge deck and boat access to complete.
09/21 - 01/22	**LaDOTD, LA 47 Green Bridge Over Mississippi River Gulf Outlet, New Orleans, Louisiana** Lars serves as an inspector for the in-depth, fracture critical inspection of a steel high truss (cantilevered through truss) bridge. The work included cleaning and rehab of bridge.
11/21 - 01/22	**LaDOTD, I-10 Calcasieu Bridge Over Lake Charles, Lake Charles, Louisiana** Lars serves as an inspector and rope access technician for the in-depth inspection of a steel high truss (cantilevered through truss) bridge. He utilized safe climbing and rope access to complete inspection.
06/21 - present	**ArDOT, I-40 Over Mississippi River, Memphis, Tennessee** Lars serves as an 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.
08/21 - 12/21	**Iowa Department of Transportation (Iowa DOT), U.S. 30 Over Missouri River, Blair, Nebraska** Lars serves as an inspector for the in-depth, fracture critical inspection of a standard long span truss bridge. The project included the use of snoopers and catwalks.
10/21 - present	**Iowa DOT, I-129 Over Missouri River, Sioux City, Iowa** Lars serves as an inspector for the in-depth, fracture critical inspection of a steel plate girder bridge. Included the use of snoopers and catwalks.

16. STAFF EXPERIENCE

Firm employed by	HNTB		
Name	**Jessica Varner**	**Years of relevant experience with this employer**	1
Title	Bridge Engineer	**Years of relevant experience with other employer(s)**	0
Degree(s) / Years / Specialization	BS / 2020 / Civil Engineering, Minor in Structural Engineering BS / 2018 / Pre-Engineering: Mathematics and Business Studies Additional Certifications/Training: • SPRAT Level 1 Training (Rope Access)		
Active registration number / state / expiration date	n/a		
Year registered	n/a	**Discipline**	n/a
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable 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 time specified in the applicable MPR(s).**
Jessica serves as an engineer in HNTB's Baton Rouge office and has experience in bridge/structural design, plan development, detailing and assisting in inspections. As a bridge engineer, she is familiar with the AASHTO LRFD Bridge Design Specifications, AISC Steel Construction Manual and Louisiana Bridge Design and Evaluation Manual. She is proficient in Bentley MicroStation, STAAD, Leap Concrete, RC Pier, Microsoft Excel and LaserFM. In her first year of experience, she became a SPRAT-certified rope technician and utilized that training on 6-inch-depth KCS bridges along the Meridian Speedway.	
11/21 - 01/22	**LaDOTD, I-10 Calcasieu Bridge Over Lake Charles In-Depth Inspection, Lake Charles, Louisiana** Jessica served as an inspector and rope access technician for the in-depth inspection of a steel high truss (cantilevered through truss) bridge. Her tasks included inspecting the bridge with a snooper and writing the report. The project included the use of snoopers, rope access and under water pier inspection.
10/21 - 01/22	**MDOT, U.S. 84 Over Mississippi River Fracture Critical Inspection, Natchez, Mississippi** Jessica was an inspector for the in-depth, fracture critical inspection of a five-span cantilever truss bridge. Her tasks included the use of snoopers and writing the report.
02/21 - present	**LaDOTD, 2020 Bridge Retainer, Various Locations, Louisiana** Jessica 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 the bridge that was struck by a construction vehicle.
09/21 - 11/21	**LaDOTD, LA-1 Trust Indenture Emergency Inspection, Leeville, Louisiana to Fourchon, Louisiana** Jessica served as an inspector for the post-hurricane trust indenture inspection of an elevated slab span, prestressed girder and steel girder bridge. Her role in the inspection included walking over seven miles of bridge deck, inspecting all damage to the structure of bridge, toll gantry, light fixtures and signage.
02/21 - 08/21	**LaDOTD, LA-1 Phase II Design, Leeville to Golden Meadow, Louisiana** Jessica served as a technical engineer intern tasked with plan development on the superstructure slabs, calculating quantities, generating pile loads and designing the concrete girder bent caps. Models were created for the superstructure and substructure of the bridge using LEAP Bridge Concrete, and the models were used for the design. Once the design was finalized, MicroStation sheets were created to convey the design and construction intent. The project consisted of over 2,000 plan sheets and were developed on an accelerated schedule. The project consisted of designing LA-1 as a new bridge from Leeville to Golden Meadow. The new bridge design utilized precast prestressed concrete girders on reinforced concrete bent caps with precast prestressed piles.

16. STAFF EXPERIENCE

Firm employed by HNTB

Name	**Branan Steib**	**Years of relevant experience with this employer**	9
Title	CADD Technician	**Years of relevant experience with other employer(s)**	2
Degree(s) / Years / Specialization	BA / 2003 / Digital Art, 3-D Modeling		
Active registration number / state / expiration date	N/A		
Year registered	N/A	**Discipline**	N/A
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable 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 time specified in the applicable MPR(s).
Branan is a CADD technician in HNTB's Baton Rouge office. With experience in both roadway construction and design, as well as quality assurance, he brings the benefit of this broad perspective to specific projects. He has prepared preliminary and final design calculations and plans, as well as structural reviews. Branan's main responsibilities include field inspection, roadway design and plan production.	
03/16 - 06/16, 11/21 - 01/22	**LaDOTD, I-10 Calcasieu River In-Depth Bridge Inspection, Lake Charles, Louisiana** Branan served as a technician on this project in which HNTB assisted the LaDOTD with completing NBIS in-depth and element level inspections of complex long-span and movable bridges and structures from 2016 through 2022. Bridge types inspected include cable stayed, cantilever truss, movable, PPC girders, deck truss, and steel trestle bents. Inspections of the cables, trusses, and other bridge members high above the water have been performed using climber inspectors, snooper trucks, aerial lifts and under-bridge movable platforms. 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.
02/17 - 06/17, 02/21 - 5/21	**LaDOTD, I-310 Mississippi River Bridge In-Depth Inspection, Luling, Louisiana** As part of a five-year complex bridge inspection retainer, HNTB completed a NBIS in-depth inspection of the I-310 Mississippi River Bridge. HNTB used rope access to inspect the outside face of the tower, friction dampers at the tower face and the length of the cables. Inspectors worked with designers with experience in the design of cable stayed-bridges. In 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. Branan served as a technician on this project.
02/17 - 06/17	**LaDOTD, U.S. 90 Atchafalaya NBIS Inspection, St. Mary Parish, Louisiana** Branan served as a technician on this project in which HNTB assisted the LaDOTD in completing the 2017 NBIS in-depth and element level inspections of this structure. 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. The U.S. 90 Atchafalaya River Bridge and approaches NBIS in-depth inspection of the cantilever truss bridge and steel trestle bent approaches (6,617 square feet of bridge including 840-foot cantilever span unit) which included hands-on inspection of the truss members, floor beams, stringers, trestle bents, deck and other miscellaneous components. Inspection also included ultrasonic testing of fracture critical pins and coating corrosion assessment.
11/17 - 02/18	**LaDOTD, Judge Perez Bridge - In-Depth Inspection, New Orleans, Louisiana** The Judge Perez Bridge is a lift span bridge over the Intracoastal Canal. During this inspection, Branan inspected various superstructure and substructure components, documenting deficiencies and assisting in developing the in-depth inspection report.

Name Branan Steib (cont'd)	
11/16 - 02/18	**LaDOTD, I-10 Mississippi River Bridge Annual Inspection, East BR Parish, Louisiana** Branan took part in the in-depth bridge inspection including the gusset plates, sway frames and upper lateral components. He also assisted in inspecting the top of the bridge deck, piers and cat walk beneath the bridge. During this time, he took photos of existing damage, prepared inspection logs, and assessed paint and the overall condition of associated members. Once the inspection was complete, Branan collaborated with engineers and inspectors to create the inspection report for the LaDOTD.
11/16 - 02/18	**MDOT, U.S. 84 Mississippi River Westbound Bridge Painting and Pin and Link Replacement, Natchez, Mississippi** Branan worked closely with engineers to inspect and identify structural deficiencies. He also assisted with creating plans detailing the steps involved and identifying materials to be used for rehabilitation.
09/12 - 03/18	**MDOT, U.S. 84 Mississippi River Bridges NBIS Inspection, Natchez, Mississippi** Branan assisted in the 2012 and 2014 NBIS routine inspections. He inspected bridge components, took photos and maintained logs of the substructure, deck and top chord of the Mississippi River bridges. He also assisted with traffic control for the 2014 bridge inspection of the eastbound and westbound steel superstructure bridges spanning over the Mississippi River.

16. STAFF EXPERIENCE

Firm employed by HNTB

Name	**Daniel Appelbaum, PE**	**Years of relevant experience with this employer**	14
Title	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	38362 / LA / 03-31-2022; 54681 / AZ / 06-30-2022; 062069540 / IL / 11-30-2023;6201062290 / MI / 03-11-2024		
Year registered	LA: 2013; AZ: 2013; IL: 2017; MI: 2015	**Discipline**	Mechanical
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable Inspection (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 time specified in the applicable MPR(s).**
Daniel is a mechanical engineer and has been involved with the design, inspection and construction of various movable bridge projects.	
06/17 - 11/18	**LaDOTD, NBIS In-Depth Inspection of the LA-23 Judge Perez Bridge, Belle Chasse, Louisiana** Daniel was lead mechanical engineer for the detailed inspection of the mechanical systems for this tower drive vertical lift span over the Gulf Intracoastal Waterway. He provided element ratings and maintenance recommendations.
06/17 - 11/18	**LaDOTD, Ted Hickey Bascule Bridge, New Orleans, Louisiana** Daniel served as lead mechanical engineer for the detailed inspection of the mechanical systems of this double leaf bascule bridge over the Inner Harbor Navigation Canal. He provided element ratings and prioritized maintenance recommendations.
06/17 - 11/18	**LaDOTD, Danziger Lift Bridge, New Orleans, Louisiana** Daniel was the lead mechanical engineer for the detailed inspection of the mechanical systems for tower drive vertical lift over the Inner Harbor Navigation Canal. He provided element ratings and prioritized maintenance recommendations.
06/17 - 11/18	**LaDOTD, Judge Seeber (Claiborne Avenue) Lift Bridge, New Orleans, Louisiana** Daniel served as the lead mechanical engineer for the detailed inspection of the mechanical systems of this tower drive vertical lift bridge over the Inner Harbor Navigation Canal. He provided element ratings and prioritized maintenance recommendations.
01/17 - 05/19	**LaDOTD, Pierre Part Bay Swing Span, Pierre Part Bay, Louisiana** Daniel was the inspector of the mechanical systems of this hydraulic-operated swing span. He provided the owner with a summary of findings, prioritized maintenance recommendations and prepared repair cost estimates.
06/17 - 08/17	**LaDOTD, LA-1 Lift Bridge, Lockport, Louisiana** Daniel served as lead mechanical engineer who performed the detailed inspection of the mechanical systems for this tower drive vertical lift span over the Company Canal. He provided element ratings and prioritized maintenance recommendations.

16. STAFF EXPERIENCE

Firm employed by HNTB

Name	**Cody Miller**	**Years of relevant experience with this employer**	5
Title	Mechanical Engineer	**Years of relevant experience with other employer(s)**	0
Degree(s) / Years / Specialization	BS / 2017 / Mechanical Engineering		
Active registration number / state / expiration date	N/A		
Year registered	N/A	**Discipline**	N/A
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable Inspection (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 time specified in the applicable MPR(s).
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.	
12/17 - 03/18	**LaDOTD, NBIS In-Depth Inspection of the LA-23 Judge Perez Bridge, Belle Chasse, Louisiana** Cody 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, NBIS In-Depth Inspection of the LA-1 Lockport Bridge, Lockport, Louisiana** Cody 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, Ted Hickey Inspection, New Orleans, Louisiana** Cody 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 (Claiborne Avenue) Lift Bridge, New Orleans, Louisiana** Cody 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.
10/21 - 10/121	**Iowa DOT, I-129 Inspection, Sioux City, Iowa** Cody performed an element level inspection of the 2,600-foot-long, 15-span plate girder bridge over the Missouri River.
10/21 - 10/121	**Iowa DOT, U.S. 30 Inspection, Blair, Nebraska** Cody performed an element level inspection of the 2,000-foot-long, 17-span prestressed concrete girder bridge over the Missouri River.
08/20 - 12/20	**MDOT, I-110 Inspection, Biloxi, Mississippi** Cody 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.

16. STAFF EXPERIENCE

Firm employed by HNTB

Name	**Michael Gurzo, PE**	**Years of relevant experience with this employer**	19
Title	Senior Project Manager, Electrical Technologies	**Years of relevant experience with other employer(s)**	4
Degree(s) / Years / Specialization	BS / 2001 / Engineering		
Active registration number / state / expiration date	38062 / LA / 09-30-2023; 76291 / FL / 02-28-2023; 24GE04669700 / NJ / 04-30-2022; 092013 / NY / 07-31-2024; 27059 / OK / 02-28-2022; 081930 / PA / 09-30-2023		
Year registered	LA: 2013; FL: 2013; NJ: 2007; NY: 2013; OK: 2014; PA: 2014	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable Inspection (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 time specified in the applicable MPR(s).**
	Michael has extensive experience in all aspects of the planning, development, specification, design, installation, testing and acceptance of electrical, power distribution and communications systems. He has overseen the planning, design and construction of numerous movable bridges, lighting, tunnel, ITS, security, SCADA, logic and control, traffic signal and toll collection systems, many of which interface with various power and lighting systems. He has literally "written the manual" for power, lighting and ITS design for several transportation authorities and as such has experience with various client requirements and construction specifications. Michael specializes in designs that require close coordination between multiple engineering disciplines on fast schedules. Using this expertise, he has successfully shepherded numerous large-scale electrical projects from the planning stages through to construction.
05/15 - 10/15	**Delaware River & Bay Authority (DRBA), Delaware Memorial Bridge, Delaware and New Jersey** Michael was the electrical engineer involved in the design of a new 12kV power distribution system for the 2.5-mile twin suspension spans which cross between New Jersey and Delaware. The design involved the replacement of four substations in the bridge anchorages and upgrade of two land-based substations. Michael performed in-depth field inspections, the survey of all existing electrical bridge equipment, conduit routings and cable sizes. He designed complex cable tray routing in the anchorages, branch circuit feeders and lighting in the anchorages and towers, rehabilitation of aviation obstruction lighting, and 12 kV circuit routing through the existing and proposed span raceway system. Working with the DRBA, he developed lighting details for security and aesthetic lighting of the towers and anchorages. He also designed and detailed underbridge lighting on the approach spans. He was responsible for addressing client review comments.
11/12 - 01/18	**New York City Department Of Transportation, 20 Movable Bridges, New York City, New York** Michael served as the electrical engineer responsible for inspection, scoping and development of bid documents for replacement of all electrical equipment that was affected/damaged by Hurricane Sandy on 20 movable bridges. The work included 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 effected by Sandy. He coordinated work with mechanical engineers, and developed plans, specifications and estimates to support the construction document development.

Name Michael Gurzo, PE (cont'd)	
10/11 - 05/12	**Maine Department of Transportation, Sarah Long Bridge, Kittery, Maine** Michael was the electrical engineer responsible for scoping, inspection and preliminary design of bridge electrical rehabilitation for this vertical lift bridge with supplemental retractable railroad span. The main vertical lift bridge is powered by AC flux vector drives. Michael performed inspection of existing electrical systems, including bridge equipment, motor control centers, lighting, warning and barrier gates, navigation lighting, aviation beacons and PLC/relay controls. He reviewed and developed recommendations for upgrades due to safety and operational difficulties, culminating in a preliminary design report.
02/12 - 06/16	**Port Authority of New York and New Jersey (PANYNJ), Bayonne Bridge, Bayonne, New Jersey and Staten Island, New York** Michael was the electrical engineer responsible for preliminary design and concept scoping for the proposed electrical systems. The project included complete replacement of the bridge through an innovative reuse of the existing arch while maintaining one lane of traffic in each direction. He developed design criteria for proposed electrical systems and staging plan that allowed continued operation of the existing bridge, toll plaza and security systems during construction. He developed concept for new LED roadway lighting, which was the first use of this new technology on PANYNJ bridge facilities.
09/14 - 03/18	**Norwalk Draw Replacement, Norwalk, Connecticut** Michael served as lead electrical engineer responsible for conceptual and final design for the replacement of the Norwalk swing bridge. He was responsible for the coordination and design of the electrical components on the proposed bride, including power distribution, generator, PLC control system, navigation lighting, machinery and control house life/safety systems. The drive system became a fully-redundant AC flux vector design that will maximize flexibility while maintaining the operational up-time required for a four-track, highly utilized commuter rail bridge. In addition to the electrical design responsibilities, Michael served as the engineering liaison for architectural design (control house). In these capacities, he coordinated and obtained water, power, sewer and natural gas services for the new control house, ensuring the new it met the space and program requirements set forth by the client.

16. STAFF EXPERIENCE

Firm employed by	HNTB		
Name	**Paul Hunter, PE**	Years of relevant experience with this employer	9
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	16326 / CA / 03-31-2023; 6201062332 / MI / 03-11-2024; 29901 / MO / 12-31-2022; 18692 / OK / 04-30-2022		
Year registered	CA: 2000; MI: 2015; MO: 1998; OK: 1998	Discipline	Electrical
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Moveable Inspection (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 time specified in the applicable MPR(s).
	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.
05/12 - 07/15	**USACE, Bayou Bienvenue, New Orleans, Louisiana** Paul was the lead electrical engineer who performed an initial site survey to document existing conditions for this new single-lane bobtail swing span bridge. He was also involved with the engineering plan preparation for the bridge. The design included navigation lights that utilize an existing generator and use the existing service for the sector gate. Control panels to operate the bridge were also provided on both sides of the channel. The project was built next to an existing sector gate dam.
01/17 - 05/19	**LaDOTD, LA-70 Pierre Part Bay Bridge Rehabilitation, Pierre Part, Louisiana** Paul served as an inspector of the electrical systems of this hydraulic-operated swing span. He provided the owner with a summary report of findings, prioritized maintenance recommendations and prepared repair cost estimates.
10/16 - 12/17	**Chicago Department of Transportation Bridge Program, Chicago, Illinois** Paul was the electrical engineer responsible for the inspection of the electrical systems on eight City of Chicago 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.
06/17 - 11/18	**LaDOTD, Danziger Lift Bridge, New Orleans, Louisiana** Paul served as lead electrical engineer for the detailed inspection of the electrical systems for tower drive vertical lift over the Inner Harbor Navigation Canal. He provided element ratings and prioritized maintenance recommendations.
03/17 - present	**LaDOTD, U.S. 90 Atchafalaya Bridge, Morgan City, Louisiana** Paul performed a site investigation to determine existing condition of the navigation lights on the bridge and determine how to add additional fixtures. He developed plans to add the additional lights and rehabilitation plans for the existing navigation lights.

Name Paul Hunter, PE (cont'd)	
12/13 - 10/14	**Port of Hood River, Vertical Lift Bridge Inspection, Oregon** Paul served as the 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.
10/14 - 06/17	**Wayne County, Michigan Department of Public Service, Jefferson Avenue Bascule Bridge Rehabilitation, Detroit, Michigan** Paul was the lead electrical engineer responsible for electrical inspections for the rehabilitation of the historic Jefferson Avenue Bascule Bridge spanning the Rouge River that was damaged in a ship collision. HNTB's inspection and planning services included 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 provide recommendations for rehabilitation/reconstruction. HNTB prepared plans, specifications and a construction cost estimate. HNTB coordinated the rehabilitation with the Michigan State Historic Preservation Office to avoid, mitigate or minimize adverse effects to the historic bridge.
04/12 - 08/16	**USACE, LPV 145 Swing Span Bridge at Bayou Bienvenue Floodgate, St. Bernard Parish, Louisiana** Paul served as the lead electrical engineer who performed an initial site survey to document existing conditions for this new single lane bobtail swing span bridge. He 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 HNTB

Name	**John Bernard, PE**	**Years of relevant experience with this employer**	24
Title	Bridge Engineer	**Years of relevant experience with other employer(s)**	0
Degree(s) / Years / Specialization	BS / 1998 / Civil Engineering Advanced Graduate Studies in Structural Civil Engineering		
Active registration number / state / expiration date	PE: 31026 / LA / 03-31-2022; 19068 / MS / 12-31-2022		
Year registered	LA: 2004; MS: 2009	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
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.	
05/16 - 06/18, 02/13 - 09/15	**MDOT, U.S. 84 Mississippi River Westbound Bridge Painting and Pin and Link Replacement, Natchez, Mississippi** John was the 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. He also served as a design engineer responsible for a 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	**LaDOTD, I-10 over Mississippi River Bridge NBIS Inspection, Baton Rouge, Louisiana** John served as team leader for an inspection that identified and documented deficiencies.
02/19 - 07/19	**LaDOTD, I-10: Loyola Boulevard Bridges Slab Span Repair, New Orleans, Louisiana** John 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 the bridge that was struck by a construction vehicle.
10/18 - 12/18	**LaDOTD, U.S. 90 over LDRR and LA-329, New Iberia, Louisiana** John was the 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	**LaDOTD, I-20 Ouachita River Bridge Repairs, Monroe, Louisiana** John was the 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. He also performed field inspections of additional bridge deficiencies discovered by the contractor.
12/11 - 08/18	**LaDOTD, I-20 Overpass Rehabilitation, Bossier City, Louisiana** John was the 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 HNTB

Name	**Aravind Tankasala, PhD, PE**	**Years of relevant experience with this employer**	3
Title	Engineer II	**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	34024 / LA / 03-31-2024		
Year registered	2021	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
Dr. Tankasala is a bridge engineer, and as a registered member of ACI, he 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.	
08/19 - 07/20	**LaDOTD, Louisiana Bridge Rating, Statewide, Louisiana** Aravind rated the superstructure and substructure for 46 bridges of varying types. The bridges include prestressed concrete girder spans, slab spans and continuous reinforced concrete girder spans. He put together rating reports and performed quality control checks on the spans.
04/20 - 08/20	**MDOT, Inspection of Audubon and Biloxi Bridge, Biloxi, Mississippi** Aravind performed a detailed inspection of the Audubon Bridge superstructure which included the ladder girder/deck system, comprising of two longitudinal girders supported by transverse floor beams. He 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.
2/18 - 04/19	**LaDOTD, LA-532 over I-20 Webster, Richland Parish, Louisiana** Aravind served as a bridge engineer for this design-build contract to construct a pre-stressed concrete girder bridge superstructure and substructure over I-20. He assisted with the design and detailed drafting of both the super and substructure. Aravind also developed custom made Excel spreadsheets to check for column design and pre-stressed girder design. He performed quality control check on the final plans which included the super- and sub-structure.
10/18 - 05/19	**LaDOTD, LA-1: Leeville to Golden Meadow Phase 2, Leeville, Louisiana** Aravind served as a bridge engineer for the design-build contract to construct a pre-stressed concrete girder bridge superstructure. The 9-mile stretch of bridge and 300 feet of concrete T-wall will eventually connect at-grade LA-1 to the existing Phase 1 structure. This project was multi-faceted and included a phased design and construction approach, a tolling facility, levee, flood wall and pipeline crossings, unique accelerated bridge construction methods and environmental regulations. Aravind assisted with quality control checks on the final plans which included three alternative bridge designs, including super- and sub-structure.
10/19 - 03/20	**USACE, Kansas City Floodwall Design, Kansas City, Missouri** Aravind assisted in the design of Kansas City Floodwall. This included developing calculations with different limit states and ensuring the resulting design complied with ACI 318. He performed quality checks and worked with multiple teams to ensure timely delivery of the project.

16. STAFF EXPERIENCE

Firm employed by HNTB

Name	**Patrick Duffy, PE**	**Years of relevant experience with this employer**	1
Title	Engineer III	**Years of relevant experience with other employer(s)**	5
Degree(s) / Years / Specialization	MS / 2020 / Civil Engineering BS / 2016 / Civil Engineering		
Active registration number / state / expiration date	45363 / LA / 9-30-2023		
Year registered	2021	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Patrick serves as an engineer within HNTB's New Orleans 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, AutoCAD, and Autodesk Storm and Sanitary Analysis.
10/17 - 09/18	**LaDOTD, Load Rating of 18 Complex Bridges, Statewide, Louisiana*** This project consisted of analyzing 18 on-system complex bridges in Louisiana with the goal of providing the LaDOTD with an overall assessment of the current condition of each bridge. The bridges analyzed consisted of truss bridges, movable truss bridges, movable steel two-girder swing span bridges, pontoon bridges, continuous curved steel beam bridges and skewed prestressed concrete beam on/off ramp bridges. Patrick was 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). To properly load rate these bridges, he 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.
02/19 - 08/19	**LaDOTD, Load Rating of 27 Bridges, Statewide, Louisiana*** Patrick served as a structural engineer intern responsible for load rating and evaluation of 27 complex bridges throughout the state of Louisiana. The bridge types consisted of cast-in-place slab, prestressed concrete girders, steel plate-girders, truss bridges and swing spans. The superstructures were rated using Bridge Rating AASHTOWARE and the substructures were rated using RC-Pier and Mathcad Sheets. Patrick load rated the South Broad Avenue Bridge over the Pontchartrain Expressway, a 2,589-foot-long steel I-beam bridge. To properly load rate this bridge, he reviewed the as-built drawings of the bridge, determined the appropriate load rating method and procedures, created 59 unique span and cross girder models in AASHTOWare Bridge Rating, 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.
07/19 - 09/20	**LaDOTD, Load Rating of 396 Bridges, Statewide, Louisiana*** Patrick served as a structural engineer intern responsible for rating 13 bridges, assisting younger engineers on the load rating process, and providing QA/QC review of the bridge models, results and reports of 46 other bridges. He reviewed the as-built drawings, 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 were cast-in-place slab, precast slab units, concrete deck girder, prestressed concrete girders, steel plate-girders, frame culverts, arch culverts and swing spans.

**Denotes work completed while at a previous firm.*

16. STAFF EXPERIENCE

Firm employed by HNTB			
Name	**Randal Bonura, PE**	**Years of relevant experience with this employer**	2
Title	Project Engineer	**Years of relevant experience with other employer(s)**	9
Degree(s) / Years / Specialization	BS / 2010 / Civil Engineering Additional Certifications/Training: • Traffic Control Supervisor		
Active registration number / state / expiration date	39861 / LA / 09-30-2023; 37626 / AL / 12-31-2023; 82055 / FL / 02-28-2023; 28294 / MS / 12-31-2022; 123865 / TX / 03-31-2022		
Year registered	LA: 2015; AL: 2018; FL: 2016; MS: 2017; TX: 2016	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Traffic Control Plans		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
Randal has 10 years of consulting engineering experience. As project engineer, he performs 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.	
07/14 - 02/16	**LaDOTD, Underwater Bridge Inspection Services, Louisiana** Randal was a project engineer for the inspection and evaluation of approximately 400 bridges located in the LaDOTD's Districts 02 and 62 in Southeast Louisiana. His tasks included conducting field inspections, evaluating field reports and reporting findings in accordance with standard inspection practices from the FHA and LaDOTD. Findings, such as any significant structural impact, anomalies and deficiencies encountered, were presented for each bridge in a final report to the LaDOTD project manager. Each bridge received a signed and sealed final report which included a summary of findings; recommendations for repairs; National Bridge Inventory Component rating for the substructure and channel; and condition state ratings the of substructure elements; drawings of the substructure; and photographs taken during the inspection.
03/16 - 02/17	**LaDOTD, Strain Road Bridge over Drainage Bayou, Baton Rouge, Louisiana** Randal served as a project engineer for the $2 million replacement of a 56-foot, three-span bridge with an 8-foot by 8-foot double barrel cast-in-place concrete box culvert. The existing structure included an asphalt overlain 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.
02/21 - present	**LaDOTD, LA 1: Leeville to Golden Meadow (Phase 2) Project, Lafourche Parish, Louisiana** Randal serves as 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. He performed field investigations; developed detailed construction plans conforming to LaDOTD design guidelines and standards; prepared scope of work for surveyor; provided recommendations on horizontal geometric alignment layouts; and 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.

16. STAFF EXPERIENCE

Firm employed by	moffatt & nichol		
Name	**Chace Hulon, PE, ADCI** *Meets MPR No. 4*	**Years of relevant experience with this employer**	7
Title	NBIS Team Leader and Dive Supervisor	**Years of relevant experience with other employer(s)**	10
Degree(s) / Years / Specialization	BS / 2005 / Civil Engineering Additional Certifications/Training: • NHI/FHWA Certified Team Leader • NHI/ FHWA Fracture Critical Inspector Course • Traffic Control Supervisor • SPRAT Training (Rope Access)		
Active registration number / state / expiration date	39701 / LA / 9-30-2023		
Year registered	2015	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable Inspection; Underwater Inspection (Imaging)		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
11/19 – present	**LaDOTD, IDIQ for Statewide In-Depth Bridge Inspection, Statewide, Louisiana** Chace serves as Moffatt & Nichol's project manager and team leader for one of the current five-year retainer contracts as a major subconsultant to HNTB, contracted to perform in-depth bridge inspections on complex, signature, long-span bridges throughout Louisiana. He performed the inspections of both cable-stayed bridges in Louisiana (Audubon and Luling) with rope access techniques to inspect a total of 208 cables between the two bridges, their Gensui Dampers and anchorages. He performed the inspection of the I-10 Horace Wilkinson Bridge completely utilizing rope access techniques and rolling lane closures to greatly minimize traffic impacts. He performed a supplemental inspection of the GNO Cantilever Truss Bridges in New Orleans utilizing rope access techniques, and performed a fracture critical inspection of the Green Bridge, a steel tied arch in New Orleans utilizing rope access and UAS access techniques. Chace also performed the inspection of the I-10 Bridge over the Calcasieu River in Lake Charles utilizing rope access on FCM's and UAS access techniques on columns. Hands-on management and implementation of the QA/QC plan is vital to the continued success of this project.
1/20 – present	**LaDOTD, IDIQ for Statewide In-Depth Bridge Inspection, Statewide, Louisiana** Chace serves as Moffatt & Nichol's project manager and team leader for one of the current five-year retainer contracts as a major subconsultant, contracted to perform in-depth bridge inspections on complex, movable, long-span, and precast segmental box girder bridges throughout Louisiana. He performed and led the structural, mechanical and electrical inspections of six movable bridges utilizing detailed, nondestructive and laboratory testing methods with hand sketches. Hands-on management and implementation of the QC/QA plan is vital to the continued success of this project.
09/14 – present	**LaDOTD, IDIQ for Statewide NBIS Underwater Bridge Inspection, Statewide, Louisiana** Chace serves as Moffatt & Nichol's project director and team leaderfor the third cycle of contracts in which 1,375 underwater bridge inspections utilizing diving and underwater imaging techniques have been performed statewide. Bridge types include movable bridges, long-span bridges with caissons and deep foundations, timber bridges with multiple bents in the water, culverts and multi-span bridges up to 14 miles in length. The firm assisted the LaDOTD with several emergency response requests within hours utilizing local team members.

16. STAFF EXPERIENCE

Firm employed by moffatt & nichol

Name	**Charles Balzarini, PE**	**Years of relevant experience with this employer**	9
Title	NBIS Team Leader and Diver	**Years of relevant experience with other employer(s)**	7
Degree(s) / Years / Specialization	BS / 2008 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI/FHWA Fracture Critical Inspector Course • SPRAT Training (Rope Access)		
Active registration number / state / expiration date	13854 / AK / 12-31-2023		
Year registered	2013	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
06/17 – present	**LaDOTD, IDIQ for NBIS Underwater Bridge Inspection Retainer Contract, Statewide** Charles serves as NBIS Team Leader for the current five-year retainer contract to perform Levels I, II and III underwater bridge inspections in accordance with NBIS and AASHTO Manual for Bridge Element Inspection. Site conditions include salt and fresh waters, with varying levels of current, having low to no visibility. UAI techniques were utilized to locate structural deficiencies and identify bottom conditions. He is responsible for leading underwater inspection teams to complete field work, inspection reports and quality control reviews.
11/19 – present	**LaDOTD, IDIQ for Statewide In-Depth Bridge Inspection, Louisian** Charles serves as NBIS Team Leader for one of the current five-year retainer contracts as a major subconsultant to HNTB, contracted to perform in-depth bridge inspections on complex, signature, long-span bridges throughout Louisiana. He performed the inspections of the Luling cable-stayed bridge in New Orleans with rope access techniques to inspect a total of 72 cables between the two bridges, their Gensui Dampers, and anchorages. He performed the inspection of the I-10 Horace Wilkinson Bridge completely utilizing rope access techniques and rolling lane closures to greatly minimize traffic impacts. He also performed a supplemental inspection of the GNO cantilever truss bridges in New Orleans utilizing rope access techniques. He performed a fracture critical inspection of the Green Bridge, a steel tied arch in New Orleans utilizing rope access and UAS access techniques.
04/16 – present	**LaDOTD, IDIQ for Statewide Ancillary Sign Inventory and Inspection, Louisiana** Charles serves as team leader for both five-year retainer contracts to perform approximately 40% of the 1700 sign truss inspections throughout Louisiana. Utilized the fall protection and rope access techniques with rescue plan development. Performed non-destructive testing on all anchor rods at all cantilever structures, base plates with excessive standoff distances, and where deficiencies or impacts were observed at steel and aluminum welds. Hands-on inspection work was performed overhead by bucket truck and climbing on active highways. Aluminum and steel sign truss members were inspected for inventory and for structural defects in accordance with FHWA guidelines. Drafted and reviewed inspection reports per the quality management plan. He monitored the TTC lane closures and reviewed the TTC plans for over 10 lane closures throughout the state.

16. STAFF EXPERIENCE

Firm employed by moffatt & nichol

Name	**Matt Balzarini, PE**	**Years of relevant experience with this employer**	4
Title	NBIS Team Leader and Diver	**Years of relevant experience with other employer(s)**	5
Degree(s) / Years / Specialization	BS / 2011 / Civil Engineering		
Active registration number / state / expiration date	118893 / AK / 12-31-23		
Year registered	2017	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).**
11/19 – present	**LaDOTD, IDIQ for Statewide In-Depth Bridge Inspection, Louisiana** Matt serves as a NBIS Team Leader and team member for one of the current five-year retainer contracts as a major subconsultant to HNTB, contracted to perform in-depth bridge inspections on complex, signature, long-span bridges throughout Louisiana. He has performed the inspections of both cable-stayed bridges in Louisiana (Audubon and Luling) with rope access techniques to inspect a total of 208 cables between the two bridges, their Gensui Dampers and anchorages. He performed the inspection of the I-10 Horace Wilkinson Bridge completely utilizing rope access techniques and rolling lane closures to greatly minimize traffic impacts. Matt also performed a supplemental inspection of the GNO cantilever truss bridges in New Orleans utilizing rope access techniques, performed a fracture critical inspection of the Green Bridge, a steel tied arch in New Orleans utilizing rope access and UAS access techniques. He performed the inspection of the I-10 Bridge over the Calcasieu River in Lake Charles utilizing rope access on FCM's and UAS access techniques on columns.
06/18 – present	**LaDOTD, IDIQ for NBIS Underwater Bridge Inspection Retainer Contract, Statewide** Matt serves as a NBIS Team Leader and team member for the current five-year retainer contract to perform Levels I, II and III underwater bridge inspections in accordance with NBIS and AASHTO Manual for Bridge Element Inspection. Site conditions include salt and fresh waters with varying levels of current, having low to no visibility. UAI techniques were utilized to locate structural deficiencies and identify bottom conditions. Matt is responsible for leading underwater inspection teams to complete field work, inspection reports and quality control reviews.
07/18 – present	**LaDOTD, IDIQ for Statewide Ancillary Sign Inventory and Inspection, Louisiana** Matt serves as team leader for both five-year retainer contracts to perform approximately 1,700of the sign truss inspections throughout Louisiana. He utilized the fall protection and rope access techniques with rescue plan development, and performed non-destructive testing on all anchor rods at all cantilever structures, base plates with excessive standoff distances, and where deficiencies or impacts were observed at steel and aluminum welds. Matt also drafted and reviewed inspection reports per the quality management plan, and monitored the TTC lane closures and reviewed the TTC plans for over 10 lane closures throughout the state.

16. STAFF EXPERIENCE

Firm employed by moffatt & nichol

Name	**Josh Martinez, PE, ADCI**	**Years of relevant experience with this employer**	7
Title	NBIS Team Leader and Diver	**Years of relevant experience with other employer(s)**	5
Degree(s) / Years / Specialization	MCE / 2013 / Structural Engineering BCE / 2009 / Structural Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI/FHWA Fracture Critical Inspector Course • SPRAT Training (Rope Access)		
Active registration number / state / expiration date	42085 / LA / 3-31-2022		
Year registered	2017	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
06/17 – present	**LaDOTD, 2017 NBIS Underwater Bridge Inspection Retainer Contracts, Statewide, Louisiana** Josh serves as NBIS Team Leader for a five-year retainer contract to perform Levels I, II and III underwater bridge inspections in accordance with NBIS and AASHTO Manual for Bridge Element Inspection. Site conditions include salt and fresh waters with varying levels of current, having low to no visibility. UAI techniques were utilized to locate structural deficiencies and identify bottom conditions. Josh is responsible for leading underwater inspection teams to complete field work, inspection reports and quality control reviews.
09/13 – 06/17	**LaDOTD, 2013 NBIS Underwater Bridge Inspection Retainer Contract, Statewide, Louisiana** Josh served as NBIS Inspector for the previous five-year retainer contract to perform Levels I, II and III underwater bridge inspections in accordance with NBIS and AASHTO Manual for Bridge Element Inspection. He was responsible for underwater inspection field work, inspection reports and quality control reviews. UAI techniques were utilized to locate structural deficiencies, identify potential undermining, observe the limits of scour and document the limits of riprap installations.
03/17 – 08/19	**North Carolina Department of Transportation, Statewide Topside Inspection of Bridges, Statewide, North Carolina** Josh served as NBIS Team Leader responsible for topside inspection of bridges. He inspected single and multi-span bridges as well as concrete, steel and timber. Josh was responsible for rating the overall bridge condition and determining critical maintenance items per state requirements. He also developed and generated reports rating to the element base level. Josh familiarized himself with several inspection vehicles including a bucket truck, snooper and under-bridge platform. He served as engineer reviewer for reports to ensure accuracy and proper rating per National Highway Institute (NHI) guidance.

16. STAFF EXPERIENCE

Firm employed by	moffatt & nichol		
Name	**Steven Armstrong, PE**	Years of relevant experience with this employer	7
Title	NBIS Team Leader and Diver	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	MS / 2019 / Civil Engineering BS / 2015 / Civil and Environmental Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI/FHWA Fracture Critical Inspector Course • Traffic Control Supervisor • SPRAT Training (Rope Access)		
Active registration number / state / expiration date	44405 / LA / 09-30-2022		
Year registered	2020	Discipline	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
11/19 – present	**LaDOTD, IDIQ for Statewide In-Depth Bridge Inspection, Statewide, Louisiana** Steven serves as team member for one of the current five-year retainer contracts as a major subconsultant to HNTB, contracted to perform in-depth bridge inspections on complex, signature, long-span bridges throughout Louisiana. He performed the inspections of the Audubon cable-stayed bridge with rope access techniques to inspect a total of 136 cables, the HDPE protection, and anchorages. Steven also performed the inspection of the I-10 Horace Wilkinson Bridge (New Bridge) completely utilizing rope access techniques and rolling lane closures to greatly minimize traffic impacts, and performed draft inputs and consolidated notes from multiple teams to present proper data consistently throughout the report.
1/20 – present	**LADOTD, IDIQ for Statewide In-Depth Bridge Inspection, Statewide, Louisiana** Steven serves as team member for one of the current five-year retainer contracts as a major subconsultant, contracted to perform in-depth bridge inspections on complex, movable, long-span and precast segmental box girder bridges throughout Louisiana. He performed the structural inspections of six movable bridges and utilized nondestructive UT methods to accurately document section loss in fracture critical members. Steven performed draft inputs and consolidated notes from multiple teams to present proper data consistently throughout the report.
09/15 – present	**LADOTD, IDIQ for Statewide Underwater Bridge Inspection Retainer Contract, Statewide, Louisiana** Steven serves as NBIS Team Leader for the current five-year retainer contract to perform Levels I, II and III underwater bridge inspections in accordance with NBIS and AASHTO Manual for Bridge Element Inspection. He is responsible for leading underwater inspection teams to complete field work, inspection reports, and quality control reviews. Bridge types inspected consisted of movable bridges, truss bridges, timber stringer bridges, cable-stayed bridges, and single and multi-span girder bridges up to fourteen miles in length. Site conditions included salt and fresh water, with varying levels of current, having low to no visibility. UAI techniques were utilized to locate structural deficiencies and identify bottom conditions.

16. STAFF EXPERIENCE

Firm employed by moffatt & nichol

Name	**Mike Russell, EI**	**Years of relevant experience with this employer**	1
Title	NBIS Team Leader and Rope Access Supervisor	**Years of relevant experience with other employer(s)**	11
Degree(s) / Years / Specialization	BS / 2015 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • SPRAT Training (Rope Access)		
Active registration number / state / expiration date	35255 / TN		
Year registered	n/a	**Discipline**	Civil, Structural
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
08/21 – present	**LaDOTD, IDIQ for Statewide In-Depth Bridge Inspections, Louisiana** Mike serves as a team member, drone operator and rope access supervisor for one of the current five-year retainer contracts (2019-2024) as a major subconsultant to HNTB, contracted to perform in-depth bridge inspections on complex, signature, long-span bridges throughout Louisiana. He performed the inspection of the I-10 Bridge over the Calcasieu River in Lake Charles utilizing rope access on fracture critical members and UAS drone access techniques on columns, secondary members and connections. He was responsible for inspecting the steel substructure units utilizing fall protection techniques and a work boat platform with a rope access safety management plan. Mike was also responsible for inspecting the lower chord of the main span steel arched through truss utilizing fall protection and rope access techniques, and responsible for working together with other supervisors and team leaders on site to communicate the hazards and mitigation techniques for safe operations and rescue pre-plans. He documented field notes and sketches utilizing traditional methods amenable to the project team leader for standardized report processing, and organized electronic files per the quality management plan and reviewed the draft report for consistency and accuracy.
04/19 – present	**LaDOTD, IDIQ for Statewide Ancillary Sign Inventory and Inspection, Louisiana** Mike serves as a team leader and rope access supervisor for both five-year retainer contracts to perform over 1,700 sign truss inspections throughout Louisiana, including the Orleans District along this corridor. He led the development of the new Sign Truss Inspection Program by implementing policies and standard operating procedures. He managed and utilized the fall protection safety program with rope access techniques and rescue plans, and led the development of an application for an internal tablet-based inventory management system. Non-destructive testing 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. Mike managed the QC report review process and the QA field and office review process, and managed and planned the temporary traffic control plans and setups for lane closures throughout the state along with all of the district traffic engineers. Additionally, he analyzed altered load paths.
1/22 – present	**LaDOT, In-Depth Inspections of Complex Bridges - Audubon Bridge, Louisiana** Mike serves as rope access supervisor and NBIS Inspector Planning for the in-depth NBIS routine and fracture critical inspection of the Audubon Bridge.

16. STAFF EXPERIENCE

Firm employed by moffatt & nichol

Name	**Jeffrey Gazarek**	**Years of relevant experience with this employer**	6
Title	NBIS Team Leader and Dive Supervisor	**Years of relevant experience with other employer(s)**	14
Degree(s) / Years / Specialization	2005 / Commercial Diving with Concentration in Sub-sea Inspection Additional Training/Certifications: • SPRAT Training (Rope Access)		
Active registration number / state / expiration date	n/a		
Year registered	n/a	**Discipline**	n/a
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
09/15 – present	**LaDOTD, IDIQ for Statewide Underwater Bridge Inspection Retainer Contract, Statewide** Jeffrey serves as NBIS Team Leader for the third cycle of contracts in which 1,375 underwater bridge inspections have been performed statewide. He is responsible for leading dive operations for underwater inspection teams to complete field work, writing inspection reports and performing quality control reviews. Bridge types inspected consisted of movable bridges, truss bridges, timber stringer bridges, cable-stayed bridges, and single and multi-span girder bridges up to fourteen miles in length. Site conditions included salt and fresh water, with varying levels of current, having low to no visibility. UAI techniques were utilized to locate structural deficiencies and identify bottom conditions.
04/16 – present	**LaDOTD, IDIQ for Statewide Ancillary Sign Inventory and Inspection, Louisiana** Jeffrey serves as team leader and rope access supervisor for both five-year retainer contracts to perform approximately 40% of the 1,700 sign truss inspections throughout Louisiana. He utilized the fall protection and rope access techniques with rescue plan development. He also performed non-destructive testing on all anchor rods at all cantilever structures, base plates with excessive standoff distances, and where deficiencies or impacts were observed at steel and aluminum welds. Drafted and reviewed inspection reports per the quality management plan. Jeffrey also monitored the TTC lane closures and reviewed the TTC plans for over 10 lane closures throughout the state.
11/14 – present	**MDOT, 2014 & 2021 Underwater Bridge Inspection Contract, Districts 1 & 2, Mississippi** Jeffrey serves as NBIS Bridge Inspector who performed underwater inspections of 12 bridges in accordance with NBIS and MDOT \Inspection Manual. Bridges inspected were constructed of concrete, steel and timber, and high-resolution scanning sonar was used on selected bridge elements. He iss responsible for pre-inspection planning, scheduling, field work, performing NDT and soundings, diving operations, drafting reports, sketches and repair recommendations.
11/19 – present	**LaDOTD, IDIQ for Statewide In-Depth Bridge Inspection, Louisiana** Jeffrey serves as team member for one of the current five-year retainer contracts as a major subconsultant to HNTB, contracted to perform in-depth bridge inspections on complex, signature, long-span bridges throughout Louisiana. He performed the inspection of the I-10 Horace Wilkinson Bridge (new bridge) completely utilizing rope access techniques and rolling lane closures to greatly minimize traffic impacts.

16. STAFF EXPERIENCE

Firm employed by	moffatt & nichol		
Name	**Chip Eschenbach**	**Years of relevant experience with this employer**	4
Title	NBIS Team Member	**Years of relevant experience with other employer(s)**	6
Degree(s) / Years / Specialization	Associates / 2015 / Welding Technology Additional Training/Certifications: • SPRAT Training (Rope Access)		
Active registration number / state / expiration date	n/a		
Year registered	n/a	**Discipline**	n/a
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
11/19 – present	**LaDOTD, IDIQ for Statewide In-Depth Bridge Inspection, Louisiana** Chip serves as a NBIS Team Member for one of the current five-year retainer contracts as a major subconsultant to HNTB, contracted to perform in-depth bridge inspections on complex, signature, long-span bridges throughout Louisiana. He performed the inspections of both cable-stayed bridges in Louisiana (Audubon and Luling) with rope access techniques to inspect a total of 208 cables between the two bridges, their Gensui Dampers,and anchorages. P\He performed the inspection of the I-10 Horace Wilkinson Bridge completely utilizing rope access techniques and rolling lane closures to greatly minimize traffic impacts, and performed a supplemental inspection of the GNO Cantilever Truss Bridges in New Orleans utilizing rope access techniques. Chip also performed a fracture critical inspection of the Green Bridge, a steel tied arch in New Orleans utilizing rope access and UAS access techniques, and performed the inspection of the I-10 Bridge over the Calcasieu River in Lake Charles utilizing rope access on FCM's and UAS access techniques on columns.
01/20 – present	**LaDOTD, IDIQ for Statewide In-Depth Bridge Inspection, Louisiana** Chip serves as a NBIS Team Member for one of the current five-year retainer contracts as a major subconsultant, contracted to perform in-depth bridge inspections on complex, movable, long-span and precast segmental box girder bridges throughout Louisiana. He performed and led the structural, mechanical and electrical inspections of six movable bridges utilizing detailed, nondestructive and laboratory testing methods with hand sketches. Hands-on management and implementation of the QA/QC plan is vital to the continued success of this project.
08/18 – present	**LaDOTD, UWI District 62, Baton Rouge, Louisiana** Chip serves as a bridge inspector for bridges in District 62. His responsibilities included the underwater portion of the bridge inspection. Tasks included inspection of all underwater members, gathering sediment depths around bridges, listing any additional defects not listed in previous reports, taking photos and updating current information on each bridge. Responsibilities include equipment preparations, driving the truck and company boat, diving on bridges and assisting with the inspection and data collection for the bridges above the water. The diving operations were conducted from the Baton Rouge pontoon boat using surface-supplied diving or scuba diving techniques to ensure safe practices, as well as clear and precise notations.
09/18 – present	**LaDOTD, Truss Sign Inspection, Statewide, Louisiana** Chip serves as a bridge inspector for the current five-year retainer contract to perform approximately 50% of 1,700 routine and interim overhead sign structure inspections.

16. STAFF EXPERIENCE

Firm employed by	moffatt & nichol		
Name	**Laura Miller, EI**	**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	MBA / 2017 / Business Administration MS / 2017 / Global Management MS / 2012 / Civil and Environmental Engineering BS / 2002 / Human/Regional Geography and Spanish		
Active registration number / state / expiration date	0034949 / LA		
Year registered	2021	**Discipline**	Civil
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 time specified in the applicable MPR(s).
09/19 - 03/20	**LaDOTD, 2017 NBIS Underwater Bridge Inspection Retainer Contract, Statewide, Louisiana** Laura served as NBIS Inspector for the current five-year retainer contract to perform Levels I, II and III underwater bridge inspections in accordance with NBIS and AASHTO Manual for Bridge Element Inspection. She completed underwater inspection field work, inspection reports and quality control reviews. Underwater acoustic imaging techniques were utilized to locate structural deficiencies, identify potential undermining, observe the limits of scour and document the limits of riprap installations.
09/19 - 03/20	**LaDOTD, Statewide Ancillary Sign Inventory and Inspection, Louisiana** Laura served as assistant inspector for the current five-year retainer contract to perform approximately 30% of the 1,700 sign truss inspections (routine and interim) throughout Louisiana. She utilized a tablet-based inventory management system with a custom designed application. She utilized fall protection techniques for inspections of fatigue prone details on steel and aluminum box trusses members. Non-destructive testing was performed on steel and aluminum welds, high stress moment connections and anchor rods. Laura performed QC report reviews in accordance with FHWA guidelines.
06/18 - 08/18	**Battery Park City Authority, Phase 6 Pile Remediation, New York, New York** Laura was an inspector-diver for underwater inspection of Battery Park. The project included underwater inspection of piles, caps and beams along with the seawall inspection. The first phase of work was to ensure that completed repairs were intact and upheld their integrity. The second phase of the assignment was to look all uninspected piles, caps and beams and report back any details that will need to be addressed and repaired.

16. STAFF EXPERIENCE

Firm employed by TRC

Name	**Durk Krone, PE**	**Years of relevant experience with this employer**	16
Title	Vice President	**Years of relevant experience with other employer(s)**	21
Degree(s) / Years / Specialization	MS / 1984 / Civil Engineering BS / 1982 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI-130055 - Safety Inspection of In-Service Bridges • NHI-130053 – Bridge Inspection Refresher Training • NHI-130078 – Fracture Critical Inspection Techniques for Steel Bridges • NHI-130092 – LRFR for Bridge Superstructures • NHI-142005 – NEPA and Transportation Decision Making Process • NHI-130110 – Tunnel Safety Inspection • LaDOTD Maintenance and Rehabilitation of Historic Bridges Course • ATSSA - Traffic Control Supervisor and Technician		
Active registration number / state / expiration date	31955 / LA / 3-31-2022		
Year registered	2005	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Quality Assurance/Quality Control; Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
02/21-01/22, 04/16-02/20	**LaDOTD, In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana** Durk served as project manager and team leader for the in-depth inspections of three complex trusses, one cable stayed and three vertical lift bridges over major waterways. He erformed QA/QC of the prime's and TRC's in-depth inspections and reports. Services included plan and document retrieval and review and bridge linspections in accordance with the current NBIS and AASHTO MBE.
11/21 - 01/22	**LaDOTD, LA-47 over IWGO, Bridge Rehabilitation, New Orleans, Louisiana** Durk served as team leader performing the bridge inspection for the rehabilitation design of this tied arch/deck truss bridge. He led the superstructure girder and truss span inspections and QA/QC of the inspection report.
11/19 - 01/21	**LaDOTD, Load Rating of Off-System Bridges, Statewide, Louisiana** Durk served as project manager and team leader for the inspection and load rating of 426 off-system bridges with concrete, steel and timber superstructure and substructure elements.
11/19 - 01/21	**LaDOTD, Complex Load Rating and Inspection, Statewide, Louisiana** Durk served as project manager and team leader directing the inspections and load ratings of complex bridges, including trusses and movable (vertical lift, bascule, swing) bridges.
05/12 - 05/16	**LaDOTD, Bridge Preventative Maintenance Program, Statewide, Louisiana** Durk served as project manager and team leader for the special rehabilitation inspections of 26 highway bridges to develop maintenance repair plans. He performed QA/QC of inspections and design plans.
05/12 - 05/16	**Department of Energy, Bridge Inspections, Bayou Choctaw, Plaquemine, Louisiana** Durk served as project manager and team leader for the in-depth NBIS Inspections of a Bailey Bridge (steel truss), two concrete beam bridges, and one timber bridge. He planned the logistics, scheduling and inspection operations. He led the field inspections and QA/QC of inspection reports, SI&A data and repair recommendations.

16. STAFF EXPERIENCE

Firm employed by TRC

Name	**Michael Schrepfer**	**Years of relevant experience with this employer**	15
Title	Inspection Team Leader / Practice Safety Leader	**Years of relevant experience with other employer(s)**	15

Degree(s) / Years / Specialization	ME / 1998 / Coastal Engineering BS / 1990 / Ocean Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI-130055 - Safety Inspection of In-Service Bridges • NHI-130053 – Bridge Inspection Refresher Training • NHI-130078 – Fracture Critical Inspection Techniques for Steel Bridges • NHI-130092 – Fundamentals of LRFR for Bridge Superstructures • NHI-130110 – Tunnel Safety Inspection • LaDOTD Movable Bridge Inspection Workshop • LaDOTD Maintenance and Rehabilitation of Historic Bridges Course • ATSSA - Traffic Control Supervisor
Active registration number / state / expiration date	n/a

Year registered	n/a	**Discipline**	n/a
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).**
11/21 - 01/22	**LaDOTD, LA 47 over IWGO, Bridge Rehabilitation, New Orleans, Louisiana** Michael served as senior team leader performing the bridge cleaning/washing and inspection for the rehabilitation design of this tied arch/deck truss bridge. He led the cleaning operations and subs with use of manlift, platform truck, snooper truck and safety boat. He supervised traffic control and safety operations, and wrote the inspection and cleaning reports.
03/16 - 12/21	**LaDOTD, Complex Bridge Inspections, Statewide, Louisiana** Michael served as senior team leader for in-depth inspections of complex bridges: I-10 Mississippi River and I-10 Calcasieu River bridges (cantilever and deck truss); I-310 Luling (cable stayed/box girder); U.S. 90 over IHNC (vertical lift); LA-1 over Company Canal (vertical lift); LA-23 over ICCW (vertical lift); and LA-39 Claiborne over IHNC (vertical lift through truss). He led inspection teams and operated equipment including bucket truck, manlift, bucket boat and snooper. Michael also wrote inspection reports in LaDOTD AssetWise format, developed element level quantities and condition states, and SI&A data. He searched for bridge plans and inspection reports in LaDOTD plans and microfilm rooms, LaDOTD AssetWise system and in person at bridge maintenance. Michael developed project safety plans and schedules for multiple inspection teams and coordinated with with the Coast Guard to obtain permits and notice to mariners. Additionally, he submitted all traffic control plans and monitored traffic control operations.
02/16 - 12/19	**LaDOTD, Complex Load Rating and Inspection, Statewide, Louisiana** Michael served as senior team leader for the load rating inspections of 15 complex truss and movable bridges over major waterways: steel tied arch truss bridge LA-47 over IWGO; riveted plate girder and deck truss Riverbound Expressway (U.S. 90B); three vertical lift bridges; one bascule bridge and four swing bridges. He coordinated with state and local agencies (LaDOTD, USCG, LSP) and managed traffic control, special aerial access and rope access teams. He also developed the safety plans and led the inspection teams. Inspections involved use of special access equipment, boats, confined space entry, coordination for bridge openings with marine traffic. He directed document search and collection of as-built plans, bridge inspection reports and other historical documents in hard copy and electronic format. He performed QA/QC of inspection reports.

16. STAFF EXPERIENCE

Firm employed by	TRC		
Name	**Michael Paul, PE**	**Years of relevant experience with this employer**	14
Title	Project Manager/Senior Bridge Engineer	**Years of relevant experience with other employer(s)**	6
Degree(s) / Years / Specialization	MS / 2003 / Civil Engineering BS / 2000 / Civil Engineering		
Active registration number / state / expiration date	0032172 / LA / 03-31-2024 Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI-130055 - Safety Inspection of In-Service Bridges • NHI-130078 - Fracture Critical Techniques for Steel Bridges • NHI-130092 - Fundamentals of LRFR for Bridge Superstructures • NHI-132082 – LRFD for Highway Bridge Substructures • NHI-134006 – Utility Coordination for Highway Projects • ATSSA – Traffic Control Supervisor • LaDOTD Highway Safety Manual Workshop • LaDOTD Maintenance and Rehabilitation of Historic Bridges Training Course		
Year registered	2006	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
11/21 - 12/21	**LaDOTD, LA-47 over IWGO, Bridge Rehabilitation, New Orleans, Louisiana** Michael performed bridge inspection for the rehabilitation of this tied arch/deck truss bridge.
11/14 - 12/14	**Department of Energy, Bridge Inspections, Bayou Choctaw, Plaquemine, Louisiana** Michael performed QA/QC for the routine NBIS inspection reports and load ratings for a Bailey Bridge (steel truss), two concrete beam bridges and one timber bridge.
06/11 - 06/12	**LaDOTD, U.S. 190 over Mississippi River, Bridge Rehabilitation, Baton Rouge, Louisiana** Michael served as bridge Inspector for the special inspection of this 12,200-foot-long bridge with a five span cantilever steel truss. He led the truss inspection, which involved the use of special access equipment such as manlifts and climbing. Michael reviewed existing plans and drawings, inspected and assessed deteriorated structures and developed repair locations, repair schemes and details.
06/10 - 06/11	**Crescent City Connection Bridges and Facilities, Orleans Parish, Louisiana** Michael performed QA/QC for the physical and maintenance inspection reports, SI&A coding and repair recommendations for 120 bridges and culverts.
02/06 - 11/06	**LaDOTD, I-10 over Mississippi River, Bridge Rehabilitation, Baton Rouge, Louisiana** Michael served as bridge inspector for the special rehabilitation of this cantilever steel truss. He inspected the steel truss superstructure including stringers and false chords.

16. STAFF EXPERIENCE

Firm employed by TRC

Name	**Mark Castay, PE**	**Years of relevant experience with this employer**	6
Title	Bridge Engineer	**Years of relevant experience with other employer(s)**	7
Degree(s) / Years / Specialization	MS / 2008 / Civil Engineering BS / 2006 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI-130055 - Safety Inspection of In-Service Bridges • NHI-130053 - Bridge Inspection Refresher • NHI-130081 - LRFD for Highway Bridge Substructures • NHI-142005 - NEPA and Transportation Decision Making • LTRC/LaDOTD - AASHTOWare Bridge Rating Fundamentals Training • ATSSA/LaDOTD - Traffic Control Supervisor		
Active registration number / state / expiration date	0039430 / LA / 9-30-23		
Year registered	2015	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
11/21 - 01/22	**LaDOTD, LA-47 over IWGO, Bridge Rehabilitation, New Orleans, Louisiana** Mark served as team leader performing the bridge inspection for the rehabilitation design of this tied arch/deck truss bridge. He led the superstructure and deck inspections and wrote the inspection report.
02/21 - 02/21	**LaDOTD, Complex Bridge Inspections, Statewide, Louisiana** Mark served as bridge Inspector performing routine inspection of the box girders, cable anchors and towers of the I-310 over Mississippi River Bridge (cable stayed bridge).
12/19 - 12/19	**LaDOTD, Complex Off-system Bridge Rating and Evaluation, Statewide, Louisiana** Mark served as bridge Inspector and load rating engineer for the inspections and load ratings of 345 concrete slab span (COPCSS, COSLAB) bridges supported on concrete caps and timber piles.
03/18 - 04/18	**LaDOTD, Complex Off-system Bridge Rating and Evaluation, Statewide, Louisiana** Mark served as bridge Inspector and load rating engineer for the in-depth inspection and load rating of a truss bridge over the Tensas River. He led the inspection of the superstructure elements, operated a platform snooper truck and developed the BrR load rating for the bridge. He also performed QC of the inspection report.
09/17 - 02/18	**MDOT, 2017 State Aid Bridge Inspection and Load Rating IDIQ Master Contract** Mark served as bridge Inspector and load rating engineer to this contract to provide 160 concrete and timber routine and special bridge inspections and load ratings in accordance with the National Bridge Inspection Standards (NBIS) and AASHTO MBE on selected bridges located statewide.
03/16 – 09/16, 06/18	**LaDOTD, In-Depth Bridge Inspection of Complex Structures, Statewide, Louisiana** Mark served as bridge inspector for in-depth inspections of the cantilevered truss bridges on I-10 over Lake Calcasieu, I-10 over Mississippi River and U.S. 90 Danziger (vertical lift). He inspected deck, superstructure, substructure and other components, developed element level conditions/quantities, and composed the final inspection reports.

16. STAFF EXPERIENCE

Firm employed by FORTE & TABLADA

Name	**Brent Campbell**	**Years of relevant experience with this employer**	8
Title	Advanced Measurements and Modeling Technician	**Years of relevant experience with other employer(s)**	0
Degree(s) / Years / Specialization	BS / 2013 / Construction Management		
Active registration number / state / expiration date	n/a		
Year registered	n/a	**Discipline**	n/a
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable Inspection; Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/21 - present	**Westbank Closure Complex Multi-Beam Hydrographic Survey, Belle Chasse, Louisiana** Utilizing a shallow draft vessel equipped with advanced multi-beam sonar equipment, Forte and Tablada performed a comprehensive survey extending bank-to-bank of the station and beyond the protection fenders for a global depiction of scour. Scour results were presented in a color ramped elevation map, as well as imagery showing the presence of debris on an intake screen. Brent served as advanced measurements technician for the project.
01/20 - 10/20	**LaDOTD, I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415-West Baton Rouge & Iberville Parishes, Louisiana** Brent served as AMM technician for complete topographic survey, approximately 18.3 miles, from the east end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
12/19 - 09/20	**LaDOTD, Bayou Terrebonne Bridges, Terrebonne Parish, Louisiana** Brent was responsible for laser scanning the Bayou Terrebonne Bridge along with the entire intersection and adjacent roads.
05/19 - 09/19	**LaDOTD, Danziger Bridge Rehabilitation, Orleans Parish, Louisiana** Brent served as laser scanning and project technician for survey investigation of the Danziger Bridge. Included laser scanning and comparison of actual conditions to original plans.
05/17 - 10/18	**LaDOTD, Belle Chasse Bridge and Tunnel Replacement Hydrographic Survey- Plaquemines Parish, Louisiana** Brent was responsible for laser scanning for the Belle Chase Bridge and Tunnel Replacement project. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway surfaces, and multi-beam 3D hydrographic surveying.
11/19 - 10/18	**LaDOTD, Calcasieu River Bridge Investigation, Calcasieu Parish, Louisiana** Brent was a laser scanning and project technician to providing services for the I-10/Lake Calcasieu bridge in Lake Charles. Terrestrial scans were done underneath the bridge for 10 spans on the east and west side, on top of the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile LiDAR was done for future planning.

16. STAFF EXPERIENCE

Firm employed by	FORTE & TABLADA		
Name	**Joffrey Easley, 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 / 2003 / Civil Engineering BS / 2000 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI- 130055 - Safety Inspection of In-Service Bridges • NHI- 130078 - Fracture Critical Inspection Techniques For Steel Bridges		
Active registration number / state / expiration date	31542 / LA / 03-31-2023		
Year registered	2004	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable Inspection; Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/18 - present	**LaDOTD, Retainer Contract for Off-System Bridge Load Rating, Statewide, Louisiana** Joffrey serves as 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 included 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 included the inspection and load rating of approximately 200 off-system bridges, consisting primarily of slab spans; Task Order 4 included the inspection and load rating of approximately 300 off-system bridges, consisting primarily of slab spans, but also including concrete and steel girder spans.
03/14 - 03/17	**LaDOTD, Load Rating of On-System Bridges, Statewide, Louisiana** Joffrey served as load rating engineer for over 200 slab span and girder bridges across Louisiana utilizing Virtis load rating software.
05/16 - 10/19	**LaDOTD, Retainer Contract for Complex Bridge Rating, Statewide, Louisiana** Joffrey served as project manager to perform a load rating for the U.S. 90 West Middle River Bridge near the Louisiana/Mississippi border. A detailed inspection of the steel through-trusses was also provided.
06/16 - 04/20	**St. Tammany Parish, Off-System Bridge Load Ratings, St. Tammany Parish, Louisiana** Joffrey served as project manager to collect all available bridge files from resources including the LaDOTD and Parish records, for numerous slab span, girder and railcar bridges in St. Tammany Parish and performed inspections and load ratings for the bridges.
11/16 - 10/20	**Livingston Parish, Off-System Bridge Load Ratings, Livingston Parish, Louisiana** Joffrey performed inspections and load ratings of numerous existing slab span bridges and culverts ensuring that Livingston Parish would follow FHWA Metric 13, which requires all off-system bridges to be load rated.
04/18 - 09/18	**Tangipahoa Parish, Off-System Bridge Load Ratings, Tangipahoa Parish, Louisiana** Joffrey performed inspections and load ratings of two railroad flatcar bridges and a slab span bridge to comply with FHWA Metric 13, which requires a load rating of all off-system bridges.
08/19 - 02/20	**LaDOTD, Retainer for In-Depth Bridge Inspections, Simmesport, Louisiana** Joffrey performed the inspection of the approach spans, consisting of rolled steel and plate girder spans supported by column bents, of the LA-1 bridge over the Atchafalaya River.

16. STAFF EXPERIENCE

Firm employed by	FORTE & TABLADA		
Name	**Levi Yantis, PE**	**Years of relevant experience with this employer**	7
Title	Project Manager	**Years of relevant experience with other employer(s)**	2
Degree(s) / Years / Specialization	BS / 2013 / Civil Engineering Additional Training/Certifications: • NHI/FHWA Certified Team Leader • NHI- 130055 - Safety Inspection of In-Service Bridges • NHI- 130078 - Fracture Critical Inspection Techniques For Steel Bridges • SPRAT Level I Rope Access Technician		
Active registration number / state / expiration date	42390 / LA / 09-30-2022		
Year registered	2018	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable Inspection; Design Services, Construction Support and Load Rating		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/18 - present	**LaDOTD, Retainer Contract for Off-System Bridge Load Rating, Statewide, Louisiana** Levi led and assisted in 12 complex moveable bridge inspections and load ratings throughout the state. 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-moveable steel truss. For Task Order 2, he led and supervised the load ratings of 200 off-system slab span bridges throughout the state. 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. For Task Order 5, Levi performed load testing and refined load rating analysis of slab span bridges and culverts that previously received low or closed load postings.
01/20 - 10/21	**LaDOTD, Retainer for Complex In-Depth Bridge Inspections, Statewide, Louisiana** Levi served as 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). He also served as the task manager for preparing the in-depth inspection reports. There was also a task order under this contract to perform emergency repairs on an U.S. 71 Bridge in Shreveport. Levi led the superstructure design for the emergency repairs.
06/16 - 04/20	**St. Tammany Parish, Off-System Bridge Load Ratings, St. Tammany Parish, Louisiana** Levi 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	**LaDOTD, Retainer Contract for Complex Bridge Rating, Statewide, Louisiana** Levi served as 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	**LaDOTD, Load Rating of On-System Bridges, Statewide, Louisiana** Levi 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.

16. STAFF EXPERIENCE

Firm employed by MODJESKI and MASTERS

Name	**Anthony Schoenecker, PE**	**Years of relevant experience with this employer**	13
Title	Sr. Vice President & Director of Field Services	**Years of relevant experience with other employer(s)**	4
Degree(s) / Years / Specialization	BS / 2005 / Civil Engineering		
Active registration number / state / expiration date	35786 / LA / 03-31-2023 Additional Training/Certifications: • NBIS Certified Inspector • SPRAT Level III Certified • Workzone Compliant • NHI 130053 - Safety Inspection of In-Service Bridges Refresher Course • NHI 130078 - Fracture Critical Inspection Techniques for Steel Bridges • Level I and II Liquid Penetrant and Magnetic Particle Inspection • SPRAT Level III Rope Access Technician • UAV Remote Pilot (Drone) Operator Permit		
Year registered	2010	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).**
03/17 – 01/18 09/16 – 11/16 12/14 – 08/15 11/13 – 02/14	**LaDOTD, In-Depth Inspection of Complex Structures Retainer – Various Bridges, Statewide, Louisiana** As a member of a multi-firm team, Modjeski and Masters was tasked with providing structural, mechanical, electrical and coatings inspection services for multiple in-depth bridges throughout the state of Louisiana as a part of the ongoing statewide Complex Structures Inspection Retainer with the LaDOTD. The list of bridges in this contract included the Gramercy Bridge over the Mississippi River; the I-210 Bridge over Prien Lake; Louisa Bridge over the Intracoastal Canal; and the LA-47 Bridge over the Mississippi River Gulf Outlet. The inspections were performed using technical rope access and rappelling, aerial work platforms and standard climbing techniques. Bridge conditions, including specific defects, were documented and presented in an inspection report and PONTIS/Inspect-Tech forms, along with repair recommendations and a full coatings evaluation report. Anthony participated as team leader in the inspection of five bridges and was project manager for two bridges under this contract. He also served as office support for two bridges under this contract.
09/19 – 05/21 10/17 – 04/18 10/16 – 03/17 11/15 – 03/16 10/14 – 01/15 10/13 – 02/14	**Huey P. Long Bridge Annual Inspection, New Orleans Public Belt Railroad, Jefferson Parish, Louisiana** The Huey P. Long Bridge is a steel cantilever through-truss railroad and highway bridge across the Mississippi River, with a main bridge crossing of 3,525 feet and several miles of steel plate girder approaches. The main bridge features four deck truss spans; two anchor spans of 529 feet and 532 feet; two cantilever spans of 144 feet; a simple span of 531 feet; and a suspended span of 503 feet. Anthony was an inspection team member from 2009-2012 and inspection team leader from 2013-2018 for this annual inspection which included a 100% hands-on visual inspection of all structural elements, including fatigue-sensitive and fracture-critical members, comprising the main bridge structure and approaches, for both the railroad and highway.

16. STAFF EXPERIENCE

Firm employed by 

Name	**Joshua Moore, PE**	**Years of relevant experience with this employer**	15
Title	Senior Engineer & Field Inspector	**Years of relevant experience with other employer(s)**	0
Degree(s) / Years / Specialization	BS / 2006 / Civil Engineering		
Active registration number / state / expiration date	36342 / LA / 09-30-2023 Additional Training/Certifications: • NBIS Certified Inspector • SPRAT Level III Certified		
Year registered	2011	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
11/19 – 05/21	**LaDOTD, Load Rating of 14 Complex Bridges, Statewide, Louisiana** Modjeski and Masters performed plan and document retrieval, bridge inspection (as needed), analysis and load rating, sampling/instrumentation and non-destructive testing (as needed), and plan production (as needed) for 14 complex bridges. The bridge types included swing spans, bascule spans, truss spans and curved steel spans. For the analysis and load rating task, the team generated a system structural model and performed an analysis of each bridge to determine dead and live load forces in the members. For the bridge superstructures, AASHTOWare BrR software were used. All load rating analysis followed AASHTO Manual for Bridge Evaluation, LaDOTD Bridge Design and Evaluation Manual and AASHTO LRFD Bridge Design Specifications. Joshua assisted in the management of the project and provided guidance to the rating team. He also performed structural analysis, evaluation and quality control.
07/19 – 05/21	**LaDOTD, Load Rating of 354 Off System Bridges, Statewide, Louisiana** Modjeski and Masters performed plan and document retrieval, bridge inspection (as needed), analysis and load rating, sampling/instrumentation and non-destructive testing (as needed), and plan production (as needed) for 354 off system bridges including prestressed concrete, reinforced concrete and steel plate girder bridges. For the analysis and load rating task, the team generated a system structural model and performed an analysis of each bridge to determine dead and live load forces in the members. For the bridge superstructures, AASHTOWare BrR software were used. For the complex bridges, a three-dimensional structural model was needed. All load rating analysis followed AASHTO Manual for Bridge Evaluation, LaDOTD Bridge Design and Evaluation Manual and AASHTO LRFD Bridge Design Specifications. Joshua assisted in the management of the project and provided guidance to the rating team. He also performed structural analysis, evaluation and quality control.
10/17 - 08/18	**LaDOTD, 19 Complex Bridges Load Rating and Evaluation, Statewide, Louisiana** Modjeski and Masters performed plan and document retrieval, bridge inspection and analysis, and load and resistance factor rating of complex bridge structures, mainly movable bridges. Gusset, truss, floorsystem and substructure components were rated. Bridge inspections focused on gusset plates and existing member conditions for rating. AASHTOWare BrR was used for the ratings, which followed the AASHTO Manual for Bridge Evaluation, LaDOTD Bridge Design and Evaluation Manual and AASHTO LRFD Bridge Design Specifications. Joshua assisted in the management of the project and provided guidance to the rating team. He performed structural analysis, evaluation and quality control. He also participated in several of the bridge inspections

16. STAFF EXPERIENCE

Firm employed by	MODJESKI and MASTERS		
Name	**Michael Januszkiewicz, PE**	**Years of relevant experience with this employer**	27
Title	Sr. Vice President & Director of Field Services	**Years of relevant experience with other employer(s)**	6
Degree(s) / Years / Specialization	BS / 1986 / Civil Engineering		
Active registration number / state / expiration date	071942 / NY / 12-31-2024 Additional Training/Certifications: • NBIS Certified Inspector • SPRAT Level III Certified • ASNT Level II		
Year registered	1995	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
12/13 – 11/18	**LaDOTD, UT Pins & Hangers - Testing, Statewide, Louisiana** This project provided a condition assessment of the pinned connections for approximately 50 bridges through the use of ultrasonic procedures as defined by FHWA publication FHWA-HRT-04-042 "Guidelines for Ultrasonic Inspection of Hanger Pins." The ultrasonic inspection was conducted using both straight and angle beam transducers in a pattern that is capable of detecting any defects at critical locations. Michael was a member of the inspection team and provided oversight of the ultrasonic pin testing and evaluation.
05/12 - 07/13	**Jefferson Parish Dept. Of Public Works, Lapalco Boulevard Bridge Repairs, Harvey, Louisiana** This 2,840-foot, double-leaf bascule bridge carries four lanes of vehicular traffic over the Harvey Canal. The main bridge portion is comprised of welded steel plate girders, with the approaches including steel and concrete girder spans. This bridge has eleven concrete spans at 77 feet; four concrete spans at 100 feet; four 135-foot steel spans; two 182-foot steel spans; and two bascule leaves at 187 feet each. The inspection was a visual inspection of all structural elements, including fatigue-sensitive and fracture-critical members, comprising the main bridge structure and approaches. Michael was a member of the inspection team and provided oversight of the ultrasonic pin testing and evaluation.
8/11 - 01/12	**TDOT, SR-56 Hurricane Truss Bridge Inspection & Rating, Tennessee** This is a two-lane, four-span Warren deck truss structure with deck truss spans ranging from 383 feet to 387 feet with an overall structure length of 1,786 feet that includes approach spans. Modjeski and Masters completed an inspection, rating and rehabilitation of the bridge. Michael was part of the inspection ream and tested and evaluated 18 bridge link pins as a part of this project for the Tennessee Department of Transportation.

16. STAFF EXPERIENCE

Firm employed by	MODJESKI and MASTERS		
Name	**Scott Gordon**	**Years of relevant experience with this employer**	21
Title	Senior Technician III	**Years of relevant experience with other employer(s)**	5
Degree(s) / Years / Specialization	n/a		
Active registration number / state / expiration date	Additional Training/Certifications: • NACE Certified Coating Inspector No. 8115 (Level 3 and Peer Review) • NBIS Certified • Work Zone Training Compliant • ASNT Level II		
Year registered	n/a	**Discipline**	n/a
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).**
05/16 - present	**LaDOTD, U.S. 11 Bridge Rehabilitation Design, New Orleans, Louisiana** Modjeski and Masters led a team providing structural, mechanical, electrical and architectural rehabilitation services to extend the service life of the U.S. 11 north and south bascule spans. The north bascule span is the only routinely operated span. In addition to repairs and improving the structural capacity to eliminate the weight posting of the bridge, the operator's house will be enlarged and the span converted to hydraulic operation. The south bascule span is only opened manually (with a crane) when access is needed to service electrical utility lines crossing the lake. The span toes will be replaced to improve the structural capacity to eliminate the weight posting of the bridge. The operator houses will be rehabilitated to retain their historic appearance. The bascule spans comprise the largest spans (149 feet) of the overall 4.7-mile bridge over Lake Pontchartrain. Scott performed UT testing to map all cracks and determine the depths of each crack. He also provided CE&I services during the construction of the project.
11/13 – 11/18	**LaDOTD, UT Pins & Hangers - Testing, Louisiana** This project provided a condition assessment of the pinned connections for approximately 50 bridges through the use of ultrasonic procedures as defined by FHWA publication FHWA-HRT-04-042 "Guidelines for Ultrasonic Inspection of Hanger Pins". The ultrasonic inspection is conducted using both straight and angle beam transducers in a pattern that is capable of detecting any and all defects at critical locations. Scott was part of the inspection team.
08/12 – 06/18	**LaDOTD, U.S. 190 Huey P. Long Bridge Construction Engineering & Inspection, Baton Rouge, Louisiana** This project provided construction engineering and inspection services for the through truss cantilever bridge that carries U.S. 190, as well as one rail line over the Mississippi River in Baton Rouge. The over 12,000-foot bridge was in need of several repairs such as replacing elements in the steel approach and main spans, repairing navigation lighting, constructing retaining walls, placing guard rail and repairing pavement. Modjeski and Masters also provided project administration, paint inspection and environmental monitoring services during construction. The construction project consisted of structural repair, cleaning and painting of the steel superstructure. Scott provided construction engineering and inspection services for the repainting of this bridge.

16. STAFF EXPERIENCE

Firm employed by	MODJESKI and MASTERS		
Name	**Jonathan Gerhart, PE**	**Years of relevant experience with this employer**	12
Title	Associate – Electrical	**Years of relevant experience with other employer(s)**	12
Degree(s) / Years / Specialization	BS / 1998 / Electrical Engineering		
Active registration number / state / expiration date	43052 / LA / 03-31-2023		
Year registered	2018	**Discipline**	Electrical
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).**
Jonathan is a project manager in Modjeski and Masters' electrical engineering section and has over 24 years of experience in the design of electrical distribution systems, control systems and safety systems for movable bridges.	
05/16 - present	**LaDOTD, U.S. 11 Bridge Rehabilitation Design, New Orleans, Louisiana** Modjeski and Masters led a team providing structural, mechanical, electrical and architectural rehabilitation services to extend the service life of the U.S. 11 North and South bascule spans. The north bascule span is the only routinely-operated span. In addition to repairs and improving the structural capacity to eliminate the weight posting of the bridge, the operator's house will be enlarged and the span converted to hydraulic operation. The south bascule span is only opened manually (with a crane) when access is needed to service electrical utility lines crossing the lake. The span toes will be replaced to improve the structural capacity to eliminate the weight posting of the bridge. The operator houses will be rehabilitated to retain their historic appearance. The bascule spans comprise the largest spans (149 feet) of the overall 4.7-mile bridge over Lake Pontchartrain. Jonathan was the lead electrical engineer for the complete electrical rehab of the power distribution, control system and roadway lighting on the bridge.
06/12 - 07/16	**LaDOTD, LA-1 West Larose Vertical Lift Bridge over ICWW, Larose, Louisiana** Modjeski and Masters provided rehabilitation plans for the upgrade of the structural, electrical and mechanical system to extend the life of this vertical lift bridge 30 to 40 years. Additionally, a new fender system was designed, the operator house was significantly upgraded and bridge repainted. A bridge inspection and development of scope of service preceded the preparation of plans. Jonathan inspected the current condition of the electrical system and recommended the necessary improvements. He also participated in the design of the electrical system rehabilitation.
10/13 – 06/15	**LaDOTD, 4th Street Harvey Bridge over Harvey Canal, Harvey, Louisiana** Categorized as a high priority project for the LaDOTD, Modjeski and Masters was engaged to develop a scope for the rehabilitation of the structural, electrical and mechanical systems for extending the life of the bridge 30-40 years. Plans include replacing the grid deck, new track and tread plates, replacing hydraulic system, new electrical control system and generator, and repainting the bridge. Jonathan was the lead electrical engineer for this project.
12/10 - 08/16	**LaDOTD, Houma Navigational Canal Bridge Rehabilitation, Houma, Louisiana** The Houma Navigational Canal Bridge is a swing bridge operated by hydraulic slewing cylinders. Modjeski and Masters provided engineering design services for the rehabilitation of the drive machinery of this bridge. Jonathan was an electrical specialist on this project and was responsible for the design of the electrical system and provided construction support. He also performed the electrical inspection for this project.

16. STAFF EXPERIENCE

Firm employed by MODJESKI and MASTERS

Name	**Geoffrey Forest, PE**	**Years of relevant experience with this employer**	20
Title	Associate – Mechanical	**Years of relevant experience with other employer(s)**	10
Degree(s) / Years / Specialization	MS / 2001 / Mechanical Engineering BS / 2000 / Mechanical Engineering		
Active registration number / state / expiration date	45721 / LA / 09-30-2023 074879 / PA / 09-30-2023 37882 / SC / 06-30-2022		
Year registered	2007	**Discipline**	Mechanical
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).**
12/14 – 12/17	**LaDOTD, In-Depth Inspection of Complex Structures Retainer, Statewide, Louisiana** As a member of a multi-firm team, Modjeski and Masters was tasked with providing structural, mechanical, electrical and coatings inspection services for multiple in-depth bridges throughout the state of Louisiana as a part of the Statewide Complex Structures Inspection Retainer with the LaDOTD. The inspections were performed using technical rope access and rappelling, aerial work platforms and standard climbing techniques. Bridge conditions, including specific defects, were documented and presented in an inspection report and PONTIS/Inspect-Tech forms, along with repair recommendations and a full coatings evaluation report. Geoffrey performed an in-depth condition inspection of the operating machinery for the movable bridges and authored the mechanical section of the inspection report.
01/14 – present	**LaDOTD, U.S. 11 Bridge Rehabilitation Design, New Orleans, Louisiana** Modjeski and Masters led a team providing structural, mechanical, electrical and architectural rehabilitation services to extend the service life of the U.S. 11 north and south bascule spans. The north bascule span is the only routinely operated span. In addition to repairs and improving the structural capacity to eliminate the weight posting of the bridge, the operator's house will be enlarged, and the span converted to hydraulic operation. The south bascule span is only opened manually (with a crane) when access is needed to service electrical utility lines crossing the lake. The span toes will be replaced to improve the structural capacity to eliminate the weight posting of the bridge. The operator houses will be rehabilitated to retain their historic appearance. The bascule spans comprise the largest spans (149 feet) of the overall 4.7-mile bridge over Lake Pontchartrain. Geoffrey led the mechanical design team for this unique bridge rehabilitation. The original machinery design included electric motors, open gearing and a final rack and pinion set to move the bascule leaves. The span drive system was converted to hydraulic operation using linear hydraulic cylinders acting directly on the bascule girders. The bascule leaf superstructure and pier were modeled in 3D to aid in locating clearances and interferences with the new operating machinery.
03/10 – 06/16	**LaDOTD, Houma Navigation Canal Bridge Rehabilitation, Houma, Louisiana** The Houma Navigation Canal Bridge is a swing bridge operated by hydraulic slewing cylinders. Modjeski and Masters provided engineering design services for the rehabilitation of the drive machinery of this bridge. Geoffrey performed field inspection and strain gage balancing of the existing operating machinery and design of the new machinery for the upgrade of the span drive system. He performed shop drawing review and response to contractor RFIs. He also performed on-site machinery installation support and inspection during construction.

16. STAFF EXPERIENCE

Firm employed by	GOTECH, INC. Consulting Engineers		
Name	**John "Sparky" Hoffman, PE**	Years of relevant experience with this employer	14
Title	Engineering Coordinator	Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization	BS / 1977 / Civil Engineering		
Active registration number / state / expiration date	19536 / LA / 09-30-2023		
Year registered	1981	Discipline	Civil
Contract role(s) / brief description of responsibilities	Traffic Control Plans		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
As engineering coordinator, Sparky's experience includes design studies for roadway and bridge projects, traffic projections and capacity analyses, traffic signal construction plans, urban roadway system improvements with added turn lanes and signalization plans, and ITS studies.	
03/06 – 07/19	**City of Baton Rouge/East Baton Rouge Parish, Program Management Services for Transportation & Street Improvement Program "Green Light Plan", East Baton Rouge Parish, Louisiana** Sparky was responsible for the review of all planning and engineering performed for the program. This program successfully completed over 40 roadway and bridge projects throughout the parish. They included major four-lane projects such as Central Thruway, Burbank Drive, Highland Road, Siegen Lane, Jones Creek Road, O'Neal Lane, South Harrell's Ferry Road, Starring Lane, Stumberg Lane and Sullivan Road. Projects have also included major intersection improvements such as Coursey Boulevard at South Sherwood Forest Boulevard; South Foster at Government Street; South Acadian at Perkins Road; and Essen Lane at Interstate 10. Work included the management of the projects through all phases including concept design, environmental clearance and permitting, final plan design, specifications, utility coordination, bidding and award, and construction administration. Close coordination with the city/parish and LaDOTD was maintained to essure conformance to agency design criteria and requirements.
02/16 - 11/16	**LaDOTD, Retainer Contract for Roadway Projects - LA-3249 - Roundabout at I-20/Well Road - Route LA-3249, Ouachita Parish, Louisiana** GOTECH, Inc. provided the geometric design and design plan sheet for the proposed roundabout located at the intersection of the I-20 westbound ramps and LA-3249. The roundabout was designed to consider future widening and maintenance of ramp traffic during construction. Sparky was responsible for the geometric design of the roundabout.
03/16 - 05/18	**Baton Rouge Metro Airport, Runway 13/31 Threshold Relocation, Baton Rouge, Louisiana** Sparky assisted with analyzing relocation alternatives for Plank Road on the eastern end of the runway. Design considerations were reviewed such as LaDOTD roadway constraints (design speed, curve and geometric standards), area infrastructure conflicts, existing improvements, real estate patterns, traffic flows and signalization. Several roadway relocation alternatives were drafted in plan view and cost estimates were prepared for viable alternatives.
07/19 - present	**Baton Rouge Metropolitan Airport/City of Baton Rouge/East Baton Rouge, Program Management, East Baton Rouge, Louisiana** As part of a joint venture, GOTECH is assisting in providing program management services for the Baton Rouge Metropolitan Airport under a work authorization contract that could extend for up to five years. The scope of services entails management and budgeting of proposed construction projects from conception, design and construction. Sparky has assisted with the project management for four projects at the Baton Rouge Metropolitan Airport. These projects have included the Parking Garage Repairs, Airpark Boulevard Extension, ARFF Security Perimeter Road, South GA Apron Repair and Taxiway Connector. Duties have included project budgeting, final design and specification review and management of the bidding and award process. These projects have been completed or presently under construction.

16. STAFF EXPERIENCE

Firm employed by GOTECH, INC. Consulting Engineers

Name	**Robert Price, PLS** *Meets MPR No. 5*	**Years of relevant experience with this employer**	2
Title	Chief Engineer	**Years of relevant experience with other employer(s)**	20
Degree(s) / Years / Specialization	MS / 2009 / Engineering & Technology Management BS / 1997 / Survey & Mapping BS / 1993 / Industrial Technology & Building Construction		
Active registration number / state / expiration date	4889 / LA / 03-31-2022		
Year registered	1992	**Discipline**	Professional Land Surveyor
Contract role(s) / brief description of responsibilities	Survey and Advanced Measurements		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Robert is a Licensed Professional 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, LNG facilities, oil and gas well locations, and private development projects.	
04/15 - present	**LaDOTD, Acadian Rd Roundabout, Route LA-20 (Canal Boulevard) & Local Routes (Back Street, Jackson Street, Thompson Place), Thibodaux, Louisiana** Robert is the PLS who provides professional supervision and project management oversight for the right-of-way mapping services to support parcel acquisition required for design of a new road roundabout in Thibodeaux. This project includes field property surveys performed to LaDOTD survey standards and parcel title work reviews of affected properties. Final right-of-way 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 - present	**Move Ascension Henry Road Safety Widening (LA-73 Tillotson Road/Akins Road) Ascension Parish, Louisiana** Robert is the project manager providing the topographic surveying and mapping services to support the design and right-of-way acquisition for the Move Ascension Henry Road widening project. Project surveys were in support of new design to widen approximately eight miles of roadway in Ascension Parish.
05/17 - 07/17	**LaDOTD, I-55 at LA-22 Interchange Lighting, Tangipahoa Parish, Louisiana** As survey project manager, Robert managed the topographic and utility location survey services in support of design plans and specifications. 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.
10/17 - 03/18	**LaDOTD, I-10 at Morrison Road Interstate Lighting, Orleans Parish, Louisiana** Robert provided project oversight as a Professional Land Surveyor 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.

16. STAFF EXPERIENCE

Firm employed by	KTA		
Name	**James Kretzler**	**Years of relevant experience with this employer**	8
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	n/a		
Year registered	n/a	**Discipline**	n/a
Contract role(s) / brief description of responsibilities	Truss, Cable-Stayed, Fracture Critical and Movable 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 time specified in the applicable MPR(s).
03/16 - 05/16	**LaDOTD, I-10 Calcasieu Bridge, Baton Rouge, Louisiana** As a subconsultant to HNTB, James supervised the UT inspection of the bridge pins on this structure. He reviewed the inspection data and issued an opinion regarding the condition of the pins.
10/21 - present	**North Dakota Department of Transportation (NDDOT), Phased Array Ultrasonic Testing, Statewide, North Dakota** KTA serves as a subconsultant, for Phased Array Ultrasonic Testing (PAUT) on various bridges throughout North Dakota for the NDDOT. James is the project manager.
07/15 - present	**Non-Destructive Examination (NDE) Department Manager** James is managing the NDE department of the KTA steel and concrete group. He has financial and operational responsibilities along with business development, hiring and training for non-destructive examination services. He is providing Level III services internally for KTA and externally for clients that includes writing and reviewing NDE procedures and certifying NDE technicians. He is also providing NDE training services for Level II Magnetic Particle, Level II Dye Penetrant inspection as well as Ultrasonic Level I and Level II classes covering UT thickness, straight beam and angle beam inspections.
06/15 - 09/19	**NYSDOT, Coating Inspection Services, Albany, New York** James serves as the project manager for the KTA-primed CWI/NDT and coating inspection services during the fabrication of bridge girders at various shop locations for the NYSDOT. KTA also provided material sampling services for flat bar and rebar and verified welding tests in accordance with NYSDOT standards.
12/12 - present	**Connecticut Department of Transportation, Newington, Conneticut** KTA is the prime consultant on three consecutive multi-year statewide contracts; James serves as project manager for steel and concrete fabrication and coatings inspection services at various shop locations.

16. STAFF EXPERIENCE

Firm employed by	KTA		
Name	**Robert Lanterman**	Years of relevant experience with this employer	15
Title	Supervisor-Other	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization	BE / 1999 / Chemical Engineering		
Active registration number / state / expiration date	SSPC Certified Protective Coatings Specialist: 2015-820-136 / 12-31-2023; NACE Certified Coatings Inspector Level 3: 13505 / 05-23-2022		
Year registered	n/a	Discipline	n/a
Contract role(s) / brief description of responsibilities	Painting and Coating		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/21 - present	**IWGO Bridge, Baton Rouge, Louisiana** Robert is performing a coating condition assessment and assisting with the development of surface preparation, coating application and environmental/worker protection and containment specifications/drawing notes for the rehabilitation of this bridge.
02/17 - 03/17	**LaDOTD, I-310 Luling Bridge, Luling, Louisiana** As a subconsultant to HNTB, Robert 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.
03/17 - 05/17	**LaDOTD, U.S. 90 Morgan City Bridge and Nearby Structures, Morgan City, Louisiana** As a subconsultant to HNTB, Robert 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.
07/20 - 08/20	**Denison Harvard Bridge, Cleveland, Ohio** Robert performed a coating condition assessment, supervised coatings laboratory testing, developed a maintenance painting strategy, provided recommendations, and developed an opinion of probable costs for the maintenance painting of this bridge.
02/20 - 05/20	**Jackson Street (Red River) Lift Bridge, Alexandria, Louisiana** Robert performed a coating condition assessment (visual examination, coating thickness and adhesion measurements, substrate examination, and coating sample procurement), supervised coatings laboratory testing, and prepared a report with recommendations for the rehabilitation of the coating system on this bridge.
02/18 - 06/19	**Walt Whitman Bridge NJ Approach Spans** Robert provided project engineering/coating consulting services for KTA on this project involving a coating condition assessment to determine the condition of the existing coatings on the structures in order to develop future maintenance painting strategies for each structure. KTA also conducted a Relative Risk Characterization that focused on the relative impacts to the environment, the public, and adjacent workers resulting from the proposed surface preparation activities.
10/18 - 03/19	**Kootenay River Bridge, Creston, British Columbia, Canada** Robert performed a coating condition assessment (visual examination, coating thickness and adhesion measurements, substrate examination, and coating sample procurement), supervised coatings laboratory testing, and prepared a report with recommendations for the rehabilitation of the coating system on this bridge.

Section 17:
Firm Experience

17. FIRM EXPERIENCE

Firm name	HNTB	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**I-10 Baton Rouge 2016 and 2020 NBIS In-Depth Bridge Inspection**	**Firm responsibility (prime or sub?)**	Prime
Project number	44000005960 T.O. #01 , 4400013321 T.O. #2	**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, LA; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	06/16, 6/20	**Total consultant contract cost ($1,000's)**	$997, $1,097
Services completed by this firm (mm/yy)	01/17, 10/20	**Total consultant services provided by this firm ($1,000's)**	$685, $548

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 2024. Bridge types inspected include cable stayed, cantilever truss, movable, PPC girders, deck truss and steel trestle bents.

The I-10 Mississippi River Bridge is a 4,550-foot-long cantilever and deck truss that spans across the Mississippi River. This inspection followed LaDOTD and FHWA guidelines for an in-depth inspection with hands-on inspection of all elements the 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 12 rope access-trained inspectors in several teams throughout the structure. **We were able to inspect over 90% of the bridge with zero lane closures, requiring only short one-day closures on the weekend.**

Rope access-trained inspectors were deployed with no lane closures to minimize traffic delays, reduce costs and meet schedule.

Members Involved: Patrick Roth, PE; Todd Dustin Bastion, PE; Nicholas Hart, PE; Benjamin Goodner, PE; Branan Steib; Marc Hoffmann, PE; LJ Dickens, PE; Kaleb Hawk, PE

17. FIRM EXPERIENCE

Firm name	HNTB	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**I-10 Calcasieu River 2016 and 2021 In-Depth Bridge Inspections**	**Firm responsibility (prime or sub?)**	Prime
Project number	44000005960 T.O. #01, 4400013321 T.O. #4	**Owner's name**	LaDOTD
Project location	Lake Charles, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	03/16, 10/21	**Total consultant contract cost ($1,000's)**	$1,127, $685
Services completed by this firm (mm/yy)	09/16, 02/22	**Total consultant services provided by this firm ($1,000's)**	$581, $395

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 with completing NBIS in-depth and element level inspections of complex long-span and movable bridges and structures from 2016 through 2024. Bridge types inspected include cable stayed, cantilever truss, movable, PPC girders, deck truss and steel trestle bents. Inspections of the cables, trusses and other bridge members high above the water have been performed using climber inspectors, snooper trucks, aerial lifts and under-bridge movable platforms.

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.

The I-10 Calcasieu River Bridge and approaches is a NBIS in-depth inspection of the cantilever truss bridge and steel trestle bent approaches (6,617 feet of bridge, including an 840-foot cantilever span unit) which included:

- Hands-on inspection of the fracture critical truss members
- Floor beams
- Stringers
- Trestle bents
- Deck, and other miscellaneous components.

Inspection also included ultrasonic testing of fracture critical pins and coating assessment.

HNTB is currently providing NBIS in-depth and element level inspections for LaDOTD

Members Involved: Patrick Roth, PE; Todd Dustin Bastion, PE; Nicholas Hart, PE; Benjamin Goodner, PE; Branan Steib; Marc Hoffmann, PE; LJ Dickens, PE; Kaleb Hawk, PE; Jessica Varner

17. FIRM EXPERIENCE

Firm name	HNTB	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**I-310 Mississippi River Bridge 2017 and 2021 NBIS In-Depth Inspection**	**Firm responsibility (prime or sub?)**	Prime
Project number	4400005960 T.O. #3 , 4400013321 T.O. #3	**Owner's name**	LaDOTD
Project location	Luling, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	02/17, 02/21	**Total consultant contract cost ($1,000's)**	$690, $474
Services completed by this firm (mm/yy)	06/17, 05/21	**Total consultant services provided by this firm ($1,000's)**	$682, $344

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 completed the 2017 and 2021 NBIS in-depth inspection of the I-310 Mississippi River Bridge in Luling, Louisiana. The Luling Bridge is the third oldest cable stayed bridge in North America and the first cable stayed bridge to have all the cables replaced.

HNTB was required to be within hands reach of every member, as well as have an understanding of how the bridge behaves. On newer cable stayed bridges, dampers are installed to help prevent cables from osculating. The Luling Mississippi River Bridge has dampers on the cables near the deck and towers and HNTB was responsible for inspecting all dampers plus dismantling and re-setting some dampers to the design force. With towers in excess of 400 feet tall, cable-stayed bridges provide a unique challenge when it comes to access, and rope access is 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 with experience in design of cable stayed-bridges. By doing so, the inspection team was able to focus on deficiencies that could affect the long-term performance of the bridge and could advise owners on what corrective actions might need to be taken.

Members Involved: Patrick Roth, PE; Todd Dustin Bastion, PE; Nicholas Hart, PE; Benjamin Goodner, PE; Branan Steib; Marc Hoffmann, PE, Josh Porter, PE

With towers in excess of 400 feet tall, cable-stayed bridges provide a unique challenge when it comes to access

17. FIRM EXPERIENCE

Firm name	HNTB	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**U.S. 84 Mississippi River NBIS Inspections and Pin & Link Replacement**	**Firm responsibility (prime or sub?)**	Prime
Project number	106487/301000	**Owner's name**	MDOT
Project location	Natchez, Mississippi	**Owner's Project Manager**	Scott Westerfield
Owner's address, phone, email	P.O. Box 1850, Jackson, MS 39215; (601) 359-7200; swesterfield@mdot.state.ms.us		
Services commenced by this firm (mm/yy)	06/10	**Total consultant contract cost ($1,000's)**	$2,511
Services completed by this firm (mm/yy)	11/21	**Total consultant services provided by this firm ($1,000's)**	$2,186

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

In 1995, MDOT noticed the downstream lower pin at panel point U29 had shifted in the downstream direction and the pin face was flush with the outer gusset plate. If the pin continued to move, the entire Mississippi River bridge could achieve global collapse. In 1996, MDOT hired a contractor to reset the pin by removing the load from the link and pin via temporary vertical by-pass system and horizontal jacks. Over 700 kips of horizontal force were applied to the pin. However, the contractor was unable to move the pin, leaving the bridge in a concerning condition. At the time, the conclusion was made that the pin was jammed and MDOT decided to leave the pin flush with the gusset and monitor it for additional movement.

In 2010, during an in-depth inspection, HNTB observed the downstream lower pin at panel point U29 was still flush with the gusset. However, the panel point U49 upstream lower pin restraint was fractured and the lower pin was flush the outer gusset. These issues were confirmed and further documented during NBIS inspections in 2014.

As part of the master bridge retainer contract with MDOT, HNTB developed rehabilitation plans, construction request for proposals (RFPs) and assisted with CE&I to replace the pins and links at two of the eight locations on the truss. HNTB developed a procedure to temporarily restrain the joints and bypass the load in the pin and hanger members using horizontal, vertical and diagonal post-tensioning. Once these components were unloaded, they could be removed and new pins and hangers could be installed by line boring through the existing gussets. HNTB developed a 2D global model to determine member forces, as well as temperature induced loads, while the pin and removal work was being performed to ensure no damage was done to the existing structure during work operations.

HNTB developed a procedure to temporarily restrain the joints, bypass the load off the pin and link, remove the existing pins and link, line bore through the existing gussets, and install new a new link and pins

Based on the success of this award-winning project, MDOT tasked HNTB to develop plans to replace the remaining six pin/link assemblies using the same means and methods. The remaining six pin and hanger locations were successfully completed in 2018, and the bridge's lifespan has been extended into the foreseeable future. In 2021, HNTB performed another routine NBIS inspection and confirmed the bridge is in normal working order.

Members Involved: Patrick Roth, PE; Todd Dustin Bastion, PE; Nicholas Hart, PE; Benjamin Goodner, PE; Branan Steib; Marc Hoffmann, PE; Jessica Varner

17. FIRM EXPERIENCE

Firm name	HNTB	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Complex Movable Bridges NBIS In-Depth Inspection**	**Firm responsibility (prime or sub?)**	Prime
Project number	44000005960 T.O.#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, LA 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, U.S. 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 over Company Canal, Lockport, Louisiana - 370-foot steel vertical lift bridge
- LA-23 Judge Perez Bridge, Belle Chasse, Louisiana - 2,564-foot structure with 150-foot steel vertical lift span over the intracoastal waterway
- U.S. 90 Danziger Bridge, New Orleans, Louisiana - 3,720-foot structure with 320-foot steel vertical lift span over the IHNC
- Senator Ted Hickey Bridge, New Orleans, Louisiana - 1,942-foot structure including a 170-foot double leaf bascule span over the IHNC
- Claiborne Avenue Bridge, New Orleans, Louisiana - 1,534-foot structure with a 360-foot steel truss vertical lift span over the IHNC

Members Involved: Patrick Roth, PE; Todd Dustin Bastion, PE; Nicholas Hart, PE; Benjamin Goodner, PE; Daniel Appelbaum, PE; Branan Steib; Cody Miller, EI; Paul Hunter, PE; Marc Hoffmann, PE

17. FIRM EXPERIENCE

Firm name	HNTB	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**U.S. 90 Atchafalaya NBIS Inspection and Rehabilitation**	**Firm responsibility (prime or sub?)**	Prime
Project number	H.011494	**Owner's name**	LaDOTD
Project location	St. Mary Parish, Louisiana	**Owner's Project Manager**	Chris Guidry, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; (225) 379-1328; chris.guidry@la.gov		
Services commenced by this firm (mm/yy)	05/17	**Total consultant contract cost ($1,000's)**	$573
Services completed by this firm (mm/yy)	Ongoing	**Total consultant services provided by this firm ($1,000's)**	$325

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

HNTB performed an in-depth NBIS inspection on the U.S. 90 Atchafalaya River Bridge, a long-span structure that includes a 1,840-foot through-truss structure. This critical link between Lafayette and New Orleans carries four lanes of vehicular traffic via U.S. 90. HNTB's inspection included both the through-truss span and approaches (6,617 feet) and included hands-on inspection of the truss members, floorbeams, stringers, trestle bents, deck and other miscellaneous components. Inspection also included ultrasonic testing of fracture critical pins, and coating corrosion assessment.

Inspection included ultrasonic testing of fracture critical pins, and coating corrosion assessment

HNTB was tasked with developing final plans to paint and perform repairs to the through-truss structure. By using detailed field notes from the in-depth inspection, HNTB was able to accurately determine repair quantities and locations without the need for additional site visits. In addition to painting, structural repairs included 46 bottom chord angle replacements, four bottom chord diaphragm replacements, 13 tension member splice plate replacements, eight compression member splice plate replacements, 36 gusset plate retrofits, eight false chord retrofits, 14 lower lateral connection plate replacements, 103 drain hole modifications and almost 3,000 structural bolt replacements. Additionally, HNTB developed electrical plans to replace the navigation lighting system. Knowing how challenging it can be to track work on large projects such as, this HNTB developed most structural repairs to be paid as "per each" items. This allowed LaDOTD construction inspectors a simplified way to track repairs and reimburse the contractor for work completed.

To maintain vehicular traffic on the structure during painting operations, HNTB roadway and bridge engineers developed a scheme to allow one lane of traffic in each direction to flow unencumbered during construction. By using temporary concrete barriers to create a rigid containment system and the work zone, vehicles pass through the containment system while work occurred around them. This plan allows for ease of vehicular movement while also allowing the contractor adequate room to perform the work.

HNTB's inspection, plan development and coordination efforts paid off as project bids came in significantly under the allocated budget. HNTB is currently providing construction-related support services and actively participating in construction coordination meetings. Construction is anticipated to be complete in the near future.

Members Involved: Patrick Roth, PE; Todd Dustin Bastion, PE; John Bernard, PE; Benjamin Goodner, PE; Josh Porter, PE; Branan Steib; Nicholas Hart, PE

17. FIRM EXPERIENCE

Firm name	HNTB	**Past Performance Evaluation Discipline(s)***	Bridge, Other
Project name	**LA-1 Ph.1 NBIS Element Level & Trust Indenture Inspection**	**Firm responsibility (prime or sub?)**	Prime
Project number	4400010060 T.O. #9	**Owner's name**	LaDOTD
Project location	Lafourche Parish, Louisiana	**Owner's Project Manager**	Scott Rundell
Owner's address, phone, email	1201 Capitol Access Road, Baton Rogue, LA 70802; (225) 379-2516; scott.rundell@la.gov		
Services commenced by this firm (mm/yy)	10/21	**Total consultant contract cost ($1,000's)**	$117
Services completed by this firm (mm/yy)	12/21	**Total consultant services provided by this firm ($1,000's)**	$117

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

Under the LA1 trust indenture contract, HNTB has performed routine and element level inspections of LA-1 Phase 1 Bridge from Leeville to Port Fourchon for eight consecutive years, from 2014 through 2021. This includes three different segments of the project: Phases 1A, 1B and 1C.

- LA-1 Phase 1A is a two-lane, two-way elevated structure which extends approximately five miles and contains slab spans, voided slab spans and Type III girder spans
- LA-1 Phase 1B contains the Leeville Bridge Approaches, the South Connector and the North Connector. The connectors are two lanes, two-way elevated structures containing Type III and BT-78 girder spans and slab spans
- LA-1 Phase 1C consists of the three steel spans of the Leeville Bridge over Bayou Lafourche with span lengths being 260 feet, 350 feet and 260 feet

Inspections were performed in accordance with NBIS. Three teams were used to inspect all components of deck, superstructure and substructure. Girders, bents, piers and piles above the water line were inspected using two boats. An under bridge inspection vehicle was used to inspect high structural components and areas that were not accessible by boat. HNTB coordinated lane closures and traffic control with LaDOTD, local police and the toll agency. The underwater inspections were performed using a subconsultant. The 2021 inspection included a hurricane damage assessment and report documenting damage caused to the structure during Hurricane Ida in August 2021.

HNTB prepared inspection reports detailing photographs, assessment of conditions, repair recommendations and statement of probable cost.

Members Involved: Patrick Roth, PE; Todd Dustin Bastion, PE; Nicholas Hart, PE; Benjamin Goodner, PE; Branan Steib; Marc Hoffmann, PE; Joshua Porter, PE; Jessica Varner

Inspections were performed in accordance with NBIS. Three teams were used to inspect all components of deck, superstructure and substructure.

17. FIRM EXPERIENCE

Firm name	HNTB	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Audubon Bridge 2016 and 2020 NBIS In-Depth Inspections**	**Firm responsibility (prime or sub?)**	Prime
Project number	440005960 T.O. #01, 4400013321 T.O. #2	**Owner's name**	LaDOTD
Project location	St. Francisville, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	03/16, 03/20	**Total consultant contract cost ($1,000's)**	$603, $406
Services completed by this firm (mm/yy)	08/16, 06/20	**Total consultant services provided by this firm ($1,000's)**	$360, $242

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 the 2016 and 2020 NBIS in-depth inspection of the Audubon Bridge over the Mississippi River in St. Francisville, Louisiana. The Audubon bridge is a 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 have an understanding of how the bridge behaves.

On newer cable stayed bridges, dampers are installed to help prevent cables from osculating. The Audubon Bridge has dampers on the cables near the deck and HNTB was responsible for the dismantling, inspection and reassembly of 25% of the cable friction dampeners (34 cables), tension testing of 10 cables, hands-on inspection of 100% of all cables via rope access, hands-on inspection of pier 1W and 1E 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 and rope access is 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 with experience in design of cable stayed-bridges. 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.

Members Involved: Patrick Roth, PE; Todd Dustin Bastion, PE; Nicholas Hart, PE; Benjamin Goodner, PE; Branan Steib; Marc Hoffmann, PE

HNTB used rope access to inspect the outside face of the tower, friction dampers at the tower face, and length of the cables.

17. FIRM EXPERIENCE

Firm name	HNTB	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Hernando de Soto Bridge (I-40) over the Mississippi River**	**Firm responsibility (prime or sub?)**	Prime
Project number	110721, TO #188	**Owner's name**	Arkansas Department of Transportation
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, AR 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 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. The Arkansas Department of Transportation (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.

HNTB was on-site with a team of engineers, including an NHI-certified fracture critical member (FCM) inspection team leader, to evaluate the fracture and provide an assessment to ArDOT. The investigation concurred with the immediate closure of the bridge. HNTB 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, the Tennessee Department of Transportation (TDOT), TDOT's consultant and the contractor engaged to effect the emergency repairs. A temporary stabilizing repair (Phase 1) was put in place by May 25; however, this repair was not designed to carry live loads. The Phase 2 repair design is expected to be 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 underbridge inspection vehicles and with rope access. Phased-array ultrasonic testing is being performed on all welds in the fracture critical tie girder.

Members Involved: Patrick Roth, PE; Nicholas Hart, PE, Marc Hoffmann, PE; LJ Dickens, PE; Kaleb Hawk, PE; Lars Jensen

HNTB mobilized and performed emergency fracture critical member inspection and structural assessment in seven days for the Hernando de Soto Bridge for the ArDOT.

17. FIRM EXPERIENCE

Firm name	HNTB	Past Performance Evaluation Discipline(s)*	Bridge
Project name	**2016-17 Verrazano-Narrows Bridge Biennial Inspection**	Firm responsibility (prime or sub?)	Prime
Project number	GFM-494C	Owner's name	Triborough Bridge and Tunnel Authority
Project location	Brooklyn to Staten Island, New York	Owner's Project Manager	Augustus Quarshi
Owner's address, phone, email	2 Broadway, 4th Floor, New York, NY 10004; (646) 252-7082; aquarshie@mtabt.org		
Services commenced by this firm (mm/yy)	04/15	Total consultant contract cost ($1,000's)	$2,731
Services completed by this firm (mm/yy)	03/17	Total consultant services provided by this firm ($1,000's)	$1,376

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

Triborough Bridge and Tunnel Authority (TBTA) selected HNTB for this two-year contract involved an in-depth inspection of the Verrazano-Narrows Bridge suspended spans, anchorages and approach spans, including both roadway levels. The inspection was performed using a variety of access techniques, including free-climbing, rigging, under-bridge inspection units and high-lift trucks.

Up to five inspection teams were used at any one time to minimize the number of lane closures required. Three inspection teams inspected the lower-level framing using UB60s and two teams inspected the upper-level framing using 60-foot bucket trucks, and safe span, all within the same lane closure. Day and night-time work was required. The main cables were inspected by walking and using articulating mirrors. Cable strands in the anchorages were wedged to assess the condition of wires. Eye-bars and suspension rope sockets received 100-percent hands-on inspection, as did all gusset plates on the trusses.

HNTB was also responsible for six structural flags and providing CSS for the repair of other flags found during the previous biennial inspection. HNTB prepared NYSDOT inspection reports for both levels, and the TBTA narrative report and paint condition report, and updated the database, inventory and load ratings. The Verrazano-Narrows Bridge is a two-level suspension bridge connecting Brooklyn and Staten Island via Interstate I-278 across New York Harbor that carries approximately 190,000 vehicles per day. At 4,260 feet, the main span is the largest suspended span in North America, and remains the eighth largest in the world, while each suspended side span is 1,215 feet for a total length between the anchorages of 6,690 feet.

Members Involved: Patrick Roth, PE; Nicholas Hart, PE

17. FIRM EXPERIENCE

Firm name	Moffatt & Nichol	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Retainer Contract for Underwater Bridge Inspections, Statewide TO 1-10**	**Firm responsibility (prime or sub?)**	Prime
Project number	4400003533	**Owner's name**	LaDOTD
Project location	Baton Rouge, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1212 East Highway Drive, Baton Rouge, Louisiana 70802; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	03/14	**Total consultant contract cost ($1,000's)**	$3,243
Services completed by this firm (mm/yy)	12/17	**Total consultant services provided by this firm ($1,000's)**	$2,822

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

As part of the previous five-year retainer contract, Moffatt & Nichol has performed 10 task orders related to underwater bridge inspections throughout Louisiana. Teams of ADCI-certified engineer-divers provided Level I, II and III underwater inspections in accordance with the National Bridge Inspection Standards and LaDOTD PONTIS Inspection Manual. 687 bridges have been inspected statewide, including many in District 02. Bridge types inspected consist of movable swing span bridges, bascule bridges, truss bridges, timber stringer bridges, cable-stayed bridges, single and multi-span girder bridges up to eight miles in length, constructed of concrete, steel and timber materials. Site conditions included salt, brackish, and fresh waters and riverine conditions with varying levels of current, having low to no visibility.

Underwater Acoustic Imaging (UAI) was performed in response to emergency investigations following major flood events to inspect scour around the substructure units.

Report submittals included a description of each structure and elements inspected and existing conditions, shoreline conditions, presence of debris in the waterway, with NBIS ratings for Item 60 - Substructure and Item 61 – Channel condition, element level condition states for all elements inspected, and recommendations for repair and maintenance. Three quality control reviews were performed for each bridge report by the inspection team and quality assurance reviews were performed on 5% of the reports by an independent NBIS team leader.

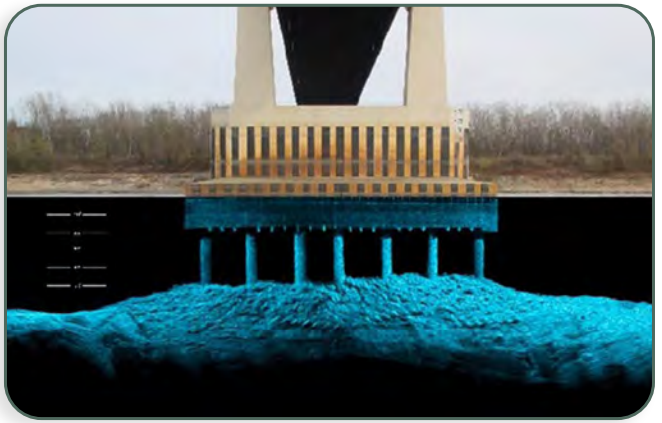
Members Involved: Chace Hulon, PE; Steven Armstrong, EI; Josh Martinez, PE; Jeffrey Gazarek

17. FIRM EXPERIENCE

Firm name	Moffatt & Nichol	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**2017 Retainer Contract for Underwater Bridge Inspections, Statewide - Task Orders 1, 2 & 4**	**Firm responsibility (prime or sub?)**	Prime
Project number	4400009104	**Owner's name**	LaDOTD
Project location	Baton Rouge, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1212 East Highway Drive, Baton Rouge, Louisiana 70802; (225) 379-1500 ; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	06/17	**Total consultant contract cost ($1,000's)**	$1,346
Services completed by this firm (mm/yy)	12/21	**Total consultant services provided by this firm ($1,000's)**	$980

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

In June 2017, Moffatt & Nichol (M&N) began a four-year statewide retainer contract with LaDOTD to provide Levels I, II and III NBIS underwater bridge inspections throughout Louisiana. All inspections were completed in accordance with current FHWA, CFR, AASHTO and LaDOTD standards and guidelines. M&N has performed over 215 underwater bridge inspections under this contract and over 900 total. For each inspection, M&N provided a detailed inspection report within 30 days and entered inspection data into LaDOTD's asset management tool (AssetWise). As part of M&N's quality control process, each inspection report was reviewed a minimum of three times, with subsequent reviews performed by team members with increasing levels of experience and qualifications.



- Task Orders 1 and 2: M&N performed underwater inspection of 45 bridges over large waterways, including eight bridges crossing the Mississippi River. These inspections were performed statewide and included bridges in both riverine and coastal environments. Underwater Acoustic Imaging (UAI) was used for each inspection and was especially useful when diving conditions were hazardous.

- Task Order 4: M&N performed underwater inspection of 35 submerged corrugated metal pipe (CMP) culverts, with a total length of 13,944 linear feet, crossing Interstate 10. The culverts were inspected using remotely operated vehicles (ROV) to identify areas of sediment buildup at each opening and at 50-foot intervals throughout the culvert.

Members Involved: Chace Hulon, PE; Steven Armstrong, PE; Joshua Martinez, PE; Jeffrey Gazarek

17. FIRM EXPERIENCE

Firm name	Moffatt & Nichol	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**2017 Retainer Contract for Underwater Bridge Inspections, Statewide - Task Orders 3, 6, & 7**	**Firm responsibility (prime or sub?)**	Prime
Project number	4400009104	**Owner's name**	LaDOTD
Project location	Baton Rouge, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1212 East Highway Drive, Baton Rouge, Louisiana 70802; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	06/17	**Total consultant contract cost ($1,000's)**	$3,820
Services completed by this firm (mm/yy)	12/21	**Total consultant services provided by this firm ($1,000's)**	$3,017

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

As part of the LaDOTD 2017 Retainer Contract for Underwater Bridge Inspections, M&N completed Task Orders 3, 6 and 7 (currently ongoing). All inspections were completed in accordance with current FHWA, CFR, AASHTO and LaDOTD standards and guidelines.

- Task Orders 3 and 6: M&N performed underwater inspection of 592 bridges crossing small to mid-sized waterways, including six culverts requiring penetration dives. M&N was able to efficiently inspect these bridges using a combination of shore entry and small to mid-sized boats, completing all inspections on or ahead of schedule. Additionally, M&N inspected 12 bridges passing through large swamps that were between 3 and 14 miles long and four bridges crossing large waterways (Mississippi River & Wax Lake Outlet). M&N seamlessly integrated Engineering Operations (eO) inspector divers into the inspection teams for these task orders, which increased the project manager's ability to adapt to unforeseen changes and maintain schedule. Many of these bridges crossed waterways inhabited by alligators, which posed a potential threat to the inspectors. To decrease the probability of an incident, M&N implemented the use of a Louisiana Department of Wildlife and Fisheries-approved nuisance alligator trapper.

- Task Order 7: This is the planned final task order for this retainer contract. Included in this task order will be the underwater inspection of 216 bridges in Districts 02, 03, 07, 08, 61 and 62, over small- to mid-sized waterways.

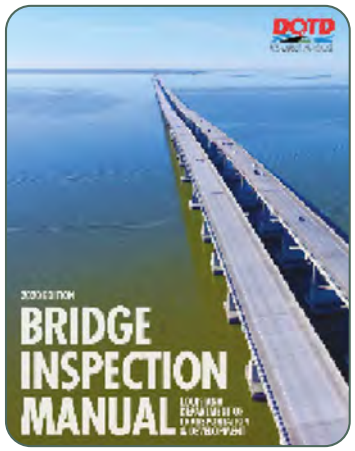
Members Involved: Chace Hulon, PE; Steven Armstrong, PE; Joshua Martinez, PE; Jeffrey Gazarek

17. FIRM EXPERIENCE

Firm name	Moffatt & Nichol	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**2017 Retainer Contract for Underwater Bridge Inspections, Statewide - Task Order 5 (Bridge Inspection Manual)**	**Firm responsibility (prime or sub?)**	Prime
Project number	4400009104	**Owner's name**	LaDOTD
Project location	Baton Rouge, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1212 East Highway Drive, Baton Rouge, Louisiana 70802; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	06/17	**Total consultant contract cost ($1,000's)**	$4,138
Services completed by this firm (mm/yy)	12/21	**Total consultant services provided by this firm ($1,000's)**	$365

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

Moffatt & Nichol was tasked with the development of the first comprehensive Bridge Inspection Manual (BIM) for the LaDOTD Bridge Program. Chace Hulon, PE, served as the chief editor of the LaDOTD BIM.



The BIM is designed to capture all previous policies, directives, memorandums, manuals and forms into a single, centralized reference manual. The BIM will align the goals of the Bridge Inspection Office Headquarters with all nine LaDOTD districts. The BIM will also allow for better communication and quality management between the LaDOTD project managers, their local bridge owners, and their consultants.

The BIM was designed to be used electronically as a reference file to be stored on tablets that is accessible to all LaDOTD bridge inspection team leaders. The BIM includes nine chapters that are intuitively ordered in a systemic fashion with hyperlinks throughout for quick referencing to vital documents. The BIM also allows for documented annual revisions or critical updates following federal policy changes. Moffatt & Nichol was responsible for the following:

- Compiling all reference material within the LaDOTD
- Designing the outline of the BIM
- Holding routine (weekly) progress meetings with the LaDOTD project manager, Federal Highway Administration (FHWA) representative and subject matter experts on the committee
- Providing statewide programmatic guidance with a national perspective
- Ensuring compliance with the FHWA's 23 National Bridge Inspection Program Metrics
- Presenting the BIM at a LaDOTD statewide conference

Members Involved: Chace Hulon, PE; Steven Armstrong, PE

17. FIRM EXPERIENCE

Firm name	Moffatt & Nichol	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**IDIQ Contract for In-Depth Bridge Inspection**	**Firm responsibility (prime or sub?)**	Subconsultant
Project number	4400009104	**Owner's name**	LaDOTD
Project location	Baton Rouge, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1212 East Highway Drive, Baton Rouge, Louisiana 70802; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	03/20	**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)**	$600

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

As part of the current five-year retainer contract, Moffatt & Nichol is performing the in-depth bridge inspections on complex and movable bridges throughout Louisiana. As a major subconsultant to HNTB, M&N is performing complete in-depth inspections (fulfilling both routine and fracture critical inspection types). Level III inspections of submerged elements in accordance with the FHWA, BIRM, AASHTO MBE, AASHTO BEIM and the LaDOTD Bridge Inspection Manual (BIM) will be required as needed. Bridge types include cantilever trusses, cable-stayed bridges, movable swing span bridges and bascule bridges. Management, communication and implementation of the QA/QC plan is an instrumental component to this project.

M&N performed the routine in-depth inspection of the Audubon Bridge, specifically to inspect 136 main cables and four 450-foot-high concrete towers. Professional rope access techniques were used to safely access each cable within arm's reach. Element quantities were recalculated, and additional defects were added with repair recommendations, but no serious deficiencies or critical findings were present.

M&N performed the in-depth, routine and fracture critical NBIS inspection of the Horace Wilkinson Bridge, specifically to inspect the main truss spans above the guardrail. Professional rope access techniques were used to safely access each non-redundant steel tension member. Element quantities were recalculated, and additional defects were added, but no serious deficiencies or critical findings were present. This is the first inspection that has ever been completed without the need for a lane closure; the success related to this effort will deliver all biennial inspections to consultants.

M&N performed the in-depth, routine and fracture critical inspections of the Greater New Orleans Bridges and the Green Bridge, specifically to inspect the main truss spans. Professional rope access techniques were used to safely access each non-redundant steel tension member. Element quantities were updated, and additional defects were added with repair recommendations.

M&N performed the in-depth and routine inspection of the Luling Bridge, specifically to inspect all bladders at the upper Gensui Dampers and at the lower friction dampers at 72 cables. Professional rope access techniques were used to safely access each cable within arm's reach.

Members Involved: Chace Hulon, PE; Steven Armstrong, PE; Jeffrey Gazarek; Joshua Martinez, PE

17. FIRM EXPERIENCE

Firm name	Moffatt & Nichol	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**IDIQ Contract for Inventory and Inspection of Sign Trusses Statewide**	**Firm responsibility (prime or sub?)**	Prime
Project number	4400017089	**Owner's name**	LaDOTD
Project location	Baton Rouge, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1212 East Highway Drive, Baton Rouge, Louisiana 70802; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	09/20	**Total consultant contract cost ($1,000's)**	$3,000
Services completed by this firm (mm/yy)	Ongoing	**Total consultant services provided by this firm ($1,000's)**	$839

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

As part of the current five-year retainer contract, Moffatt & Nichol is performing the inventory and inspection of overhead sign structures in accordance with FHWA guidelines. M&N previously led the development of the LaDOTD Sign Truss Inspection Program and continues to improve the program with the added creation of an interactive GIS database.

Over 1,000 overhead sign structures have had their second routine inspection completed thus far, with an additional 200 interim inspections to monitor deficiencies more frequently. In addition, 205 post-event damage inspections were completed in 2020 due to Hurricane Laura and an additional 900 post-event damage inspections are being performed due to Hurricane Ida, including structures along this corridor.

Inspections included non-destructive techniques on steel and aluminum welds, high stress moment connections, and other fatigue prone details with deficiencies. Structure configurations largely consist of bridge and cantilever signs with drilled shafts, pile supported footings or bridge mounted foundations. The majority of the structures are aluminum box trusses that have a shorter fatigue life. Ultrasonic flaw detection is used by certified inspectors to examine the anchor rods for fractures or partial fractures. Rope access techniques are utilized to safely access primary elements while eliminating traffic interruptions and conserving costs.

Work zone safety is a critical component to the overall safety and success of this project. M&N lead inspectors are ATSSA certified technicians and/or supervisors, along with an expert traffic control company to assist with safe temporary lane closures on the highway. **M&N has humbly maintained a zero-incident safety record throughout the life of this contract.**

M&N is creating the Inventory & Inspection Manual for Ancillary Structures for the LaDOTD under this current contract. Tablets were utilized in the field with a custom designed application that allowed for quick and efficient quality control reviews from the field. Separate QC reviews were performed for each bridge report by the inspection team and quality assurance reviews were performed on 5% of the reports by an independent qualified NBIS team leader.

Members Involved: Chace Hulon, PE; Steven Armstrong, PE; Jeffrey Gazarek; Joshua Martinez, PE

17. FIRM EXPERIENCE

Firm name	Moffatt & Nichol	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**NBIS Underwater Bridge Inspections**	**Firm responsibility (prime or sub?)**	Prime
Project number	N/A	**Owner's name**	Mississippi Department of Transportation (MDOT)
Project location	MDOT Districts 1 & 2	**Owner's Project Manager**	Richard Withers, PE
Owner's address, phone, email	1401 North West Street, Jackson, MS; (601)359-7176; rwithers@mdot.ms.gov		
Services commenced by this firm (mm/yy)	08/14	**Total consultant contract cost ($1,000's)**	$600
Services completed by this firm (mm/yy)	12/16	**Total consultant services provided by this firm ($1,000's)**	$469

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

Under a three-year retainer contract, M&N performed Levels I, II and III underwater inspections (UWI) of 72 bridges in Districts 1 and 2. Underwater bridge inspections included the use of high-resolution scanning SONAR of selected bridge elements. All inspections were conducted by a team of ADCI-certified engineer-divers in accordance with the FHWA BIRM, AASHTO MBE, NBIS requirements, and MDOT PONTIS Inspection Manual. Several multi-span, continuous and non-continuous bridges consisting of concrete, steel and timber elements were inspected. Site conditions consisted of riverine conditions with varying levels of current and minimal visibility.

Final inspection reports for each structure included a description of each bridge, the elements inspected, an underwater inspection plan, shoreline and waterway conditions, NBIS ratings, AASHTO and PONTIS element-level ratings, recommendations for repair and maintenance and channel contour drawings. Bridges were reviewed and evaluated for critical structural conditions and a pre-defined critical finding protocol was implemented for necessary remedial action.

The M&N dive team responded to an emergency UWI request within 24 hours to perform interim underwater inspections of the I-55 Bridge over Hickahala Creek. High resolution acoustic imaging was utilized to identify structural deficiencies and determine the limits of scour around Piers I, II and III. Riverine conditions allowed for safe diving conditions at the time of inspection. Engineer-divers performed the UWI in unison with acoustic imaging to accurately evaluate the subsurface conditions of the substructure units and the channel bottom.

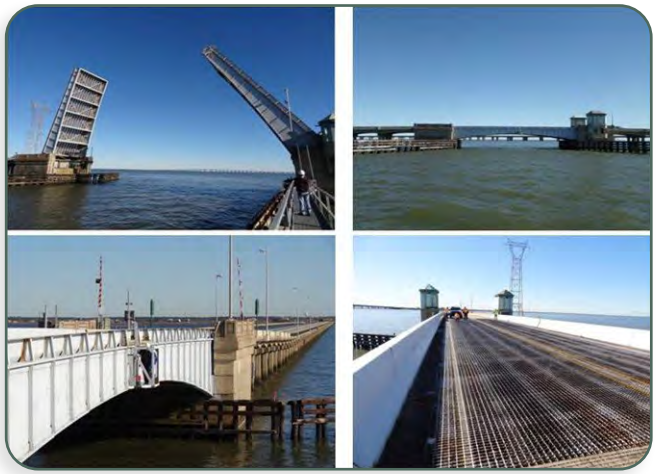
Members Involved: Chace Hulon, PE; Steven Armstrong, PE

17. FIRM EXPERIENCE

Firm name	Modjeski and Masters	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**U.S. 11 Bridge over Lake Pontchartrain**	**Firm responsibility (prime or sub?)**	Prime
Project number	H.010016.5	**Owner's name**	LaDOTD
Project location	New Orleans, Louisiana	**Owner's Project Manager**	ZhengZheng Fu, PE
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802; (225) 379-1321; zhengzheng.fu@la.gov		
Services commenced by this firm (mm/yy)	04/2013	**Total consultant contract cost ($1,000's)**	$1,631
Services completed by this firm (mm/yy)	Ongoing	**Total consultant services provided by this firm ($1,000's)**	$1,530

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

Constructed in 1938, this structure contains two double-leaf bascule bridges that carries U.S. 11 across Lake Pontchartrain at New Orleans. This project involved the performance of structural, mechanical, electrical and architectural rehabilitation services for the two bascule spans within this five-mile bridge in order to extend its life for 30-40 additional years.



Tasks Performed:

- Evaluation of the conditions of structural, mechanical, electrical and architectural components of the bridge
- Evaluation of existing paint system and recommendations
- Development of scope of services for the bridge rehabilitation
- Development of preliminary plans and final plans for rehabilitation
- Bridge rating
- Provided construction related engineering services by reviewing shop drawings, responding to RFIs and other submittals during the construction phase of the project.
- Construction engineering and inspection for bridge coatings and shop inspection

Members Involved: Anthony Schoenecker, PE; Jon Gerhart, PE; Geoffrey Forest, PE

17. FIRM EXPERIENCE

Firm name	Modjeski and Masters	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Houma Navigation Canal Bridge Rehabilitation**	**Firm responsibility (prime or sub?)**	Prime
Project number	701-65-1541	**Owner's name**	LaDOTD
Project location	Houma, Louisiana	**Owner's Project Manager**	Stewart Hingle, PE
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802; (225) 379-1316; stewart.hingle@la.gov		
Services commenced by this firm (mm/yy)	11/10	**Total consultant contract cost ($1,000's)**	$603
Services completed by this firm (mm/yy)	08/16	**Total consultant services provided by this firm ($1,000's)**	$561

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

This project involved the performance of a structural, architectural, mechanical and electrical rehabilitation of this bridge in order to extend service life for a minimum of thirty years. Constructed in 1962, the bridge is an unequal arm swing span crossing the Houma Navigation Canal. It was constructed relatively low and is regularly submerged to varying degrees during high water events.

Tasks Performed:

- Evaluation and inspection of the conditions of structural, mechanical and electrical components
- Development of rehabilitation plans and specifications for structural, mechanical, electrical and architectural components
- Evaluation of existing paint system and recommendations
- Design and final plans and specifications for the operator house developed by subconsultant
- Design and development of plans for replacement fender system
- New hydraulic power system
- New electrical system
- Maintain operation of bridge during rehabilitation work
- Provided construction related engineering services by reviewing shop drawings, responding to RFIs and other submittals during the construction phase of the project

Members Involved: Jonathan Gerhart, PE; Geoffrey Forest, PE

17. FIRM EXPERIENCE

Firm name	Modjeski and Masters	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**4th Street Bridge Rehabilitation**	**Firm responsibility (prime or sub?)**	
Project number	H.010882	**Owner's name**	LaDOTD
Project location	Harvey, Louisiana	**Owner's Project Manager**	ZhengZheng Fu, PE
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802; (225) 379-1321; zhengzheng.fu@la.gov		
Services commenced by this firm (mm/yy)	04/13	**Total consultant contract cost ($1,000's)**	$1,031
Services completed by this firm (mm/yy)	present	**Total consultant services provided by this firm ($1,000's)**	$861

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

The 4th Street Bridge is located on LA-18 in Jefferson Parish on the west bank side of the Mississippi River. It carries two vehicular lanes across the Harvey Canal approximately 1,000 feet south of a lock connecting the canal with the Mississippi River. From abutment to abutment, the 4th Street Bridge is approximately 215 feet long and consists of concrete approach slabs, steel girder spans and the movable lift span. The main span of the 4th Street Bridge consists of two rolling bascule lift spans, each approximately 50 feet long and consisting of two main girders. The movable span's deck is an open grid deck supported on stringers and floorbeams.

Tasks Performed:

- Evaluation and inspection of the conditions of structural, mechanical, electrical and architectural components
- Evaluation of the fender system and recommendations
- Evaluation of existing paint system and recommendations
- Development of scope of services for the rehabilitation of this bridge
- Development of preliminary and final plans for structural, mechanical, electrical and architectural rehabilitation
- Provided construction related engineering services by reviewing shop drawings, responding to RFIs and other submittals during the construction phase of the project

Members Involved: Geoffrey Forest, PE; Jon Gerhart, PE

17. FIRM EXPERIENCE

Firm name	Modjeski and Masters	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**West Larose Vertical Lift Bridge**	**Firm responsibility (prime or sub?)**	Prime
Project number	H.009479	**Owner's name**	LaDOTD
Project location	Larose, Louisiana	**Owner's Project Manager**	Stewart Hingle, PE
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802; (225) 379-1316; stewart.hingle@la.gov		
Services commenced by this firm (mm/yy)	12/10	**Total consultant contract cost ($1,000's)**	$555
Services completed by this firm (mm/yy)	Ongoing	**Total consultant services provided by this firm ($1,000's)**	$514

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

Constructed in 1961 in Larose, Louisiana, the West Larose Vertical lift span is a two-lane, movable structure that is 153 feet from centerline bearing to centerline bearing, with each tower span being 25 feet in length. The approach spans consist of 20-foot concrete slab spans and steel girder spans ranging from 40 feet to 70 feet. The total length is 2,035 feet. The project involves the performance of a structural, mechanical, electrical and architectural rehabilitation of this bridge in order to extend the service life for a minimum of 30-40 years.

Tasks Performed:

- Evaluation and Inspection of the conditions of structural, mechanical and electrical components
- Development of rehabilitation plans and specifications for structural, mechanical, electrical and architectural components
- Evaluation of the fender system and recommendations
- Evaluation of existing paint system and recommendations
- Evaluation methods of improving the appearance of cornet approach spans
- Produce plans, specifications and construction cost estimates
- Provide Virtis/AASHTOWare load rating
- Provided construction engineering services by reviewing shop drawings, responding to RFIs and other submittals during the construction phase of the project

Members Involved: Anthony Schoenecker, PE; Jon Gerhart, PE

17. FIRM EXPERIENCE

Firm name	TRC Engineers	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Retainer Contract for Inspection of Complex Bridges**	**Firm responsibility (prime or sub?)**	Subconsultant
Project number	H.009730.5	**Owner's name**	LaDOTD
Project location	Statewide, Louisiana	**Owner's Project Manager**	Haylye Brown, PE
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802; (225) 379-1500; haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	02/16	**Total consultant contract cost ($1,000's)**	$1,028
Services completed by this firm (mm/yy)	04/24	**Total consultant services provided by this firm ($1,000's)**	$817

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

As a subconsultant to HNTB, TRC has successfully completed two retainer contracts (44-5960 and 44-13321) for NBIS in-depth, routine and element level inspections of complex structures that included cable stayed, truss and movable bridges.

The bridges inspected by TRC's engineers and inspectors to date include:

- I-10 over Calcasieu River, Lake Charles (6,607-foot steel cantilever through truss) (2 cycles)
- I-10 over Mississippi River, Baton Rouge (4,550-foot steel cantilever through and deck truss) (2 cycles)
- I-310 over Mississippi River, Luling (2,745-foot cable stayed and steel box girder)
- U.S. 90 over IHNC, Danziger Bridge (3,269-foot vertical lift)
- LA-1 over Company Canal, Lockport (410-foot vertical lift)
- LA-23 over ICCW, Belle Chase (2,558-foot vertical lift)
- LA-39 Claiborne over IHNC (1,240-foot vertical lift through truss)

TRC deployed multiple inspection teams from its Louisiana, Mississippi, Pennsylvania, South Carolina, Tennessee, and West Virginia offices, each consisting of a certified NBIS team leader and NBIS certified bridge inspector, to inspect the bridge elements and components. As applicable, such inspections focused on traffic safety features, deck, superstructure elements (trusses, girders, beams, and bearings), substructure elements (piles, piers, and tower bents), waterway, fender systems, ancillary electrical and mechanical components. TRC's team leaders wrote the various sections of inspection reports, developed the required data for Assetwise and CAD drawings to show the locations and quantities of the observed damage and deterioration on the various bridge elements and components. They determined the SI&A coding, element types, quantities, and condition states for all bridge components. TRC inspection teams utilized special access equipment such as UB-60 snoopers, bucket trucks, and manlifts, technical rope access, and safety/inspection boats.

Members Involved: Durk Krone, PE; Mark Castay, PE; Michael Schrepfer; Anthony Schoenecker, PE; Jon Gerhart, PE

17. FIRM EXPERIENCE

Firm name	TRC Engineers	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Retainer Contract for Complex Bridge Rating On-System Trusses and other Complex Bridges**	**Firm responsibility (prime or sub?)**	Prime
Project number	400004920	**Owner's name**	LaDOTD
Project location	Statewide, Louisiana	**Owner's Project Manager**	William Metcalf, PE
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802; (225) 379-1741; william.metcalf@la.gov		
Services commenced by this firm (mm/yy)	03/15	**Total consultant contract cost ($1,000's)**	$4,784
Services completed by this firm (mm/yy)	03/21	**Total consultant services provided by this firm ($1,000's)**	$3,532

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

TRC performed engineering services under multiple task orders associated with the completion of complex bridge rating (on-system trusses and movable bridges as well as off-system bridges per MBE) for statewide projects covered by a retainer contract under separate task orders. Services completed under this 5-year contract included: plan and document retrieval and review; bridge inspection for the purpose of producing the most accurate rating by accounting for field conditions and gathering field measurements to assist with load rating and record recovery; performance of a system structural modeling and analysis of each assigned bridge to determine dead load and live load effects in the members, including the use of a three-dimensional structural model for complex bridges when required; load rating of each assigned bridge based on present condition, capacity and loading using AASHTOWare BrR software, with all structures being rated using the load rating provisions in the Current AASHTO Manual for Bridge Evaluation and the LaDOTD Policies and Guidelines for Bridge Rating and Evaluation; peer review ratings, other reviews of ratings performed by others; and quality assurance reviews of all load ratings. The bridges assigned to TRC under the two task orders to date included the following:

- Bridge over Bayou Teche at Adeline (movable)
- LA-1 Bridge over Atchafalaya River (truss)
- LA-47 Gulf Intracoastal Waterway (tied arch/deck truss)
- U.S. 90 Riverbound Expressway (deck truss)
- LA-27 over Intracoastal Waterway Bridge (movable)
- LA-654 over Bayou LaFourche (movable)
- LA-657 over Bayou LaFourche (movable)
- LA-83 over Patout Bayou (movable)
- LA-319 Intracoastal Canal Bridge (movable)
- Local Road over Bayou Terrebonne (movable)
- 426 off-system bridges in Dist. 04 and 05 (concrete, steel, timber)

Members Involved: Durk Krone, PE; Michael Paul, PE; Mark Castay, PE; Michael Schrepfer

17. FIRM EXPERIENCE

Firm name	TRC Engineers	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Veteran's Glass City Skyway Bridge**	**Firm responsibility (prime or sub?)**	Prime
Project number	n/a	**Owner's name**	Ohio Department of Transportation
Project location	Toledo, Ohio	**Owner's Project Manager**	David Geckle, PE
Owner's address, phone, email	317 East Poe Road, Bowling Green, OH 43402; (419) 373-4377; david.geckle@dot.ohio.gov		
Services commenced by this firm (mm/yy)	08/17	**Total consultant contract cost ($1,000's)**	$800
Services completed by this firm (mm/yy)	12/17	**Total consultant services provided by this firm ($1,000's)**	$576

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

TRC served as the prime consultant for the 2017 In-depth and Element Level Bridge Inspections of the Veterans Glass City Skyway (VGCS) Bridge carrying I-280 over the Maumee River in Toledo, Ohio for the Ohio Department of Transportation (ODOT). This structure is comprised of prestressed concrete segmental box approach spans and a symmetric cable-stayed segmental box superstructure main span with a 425-foot single pylon and 40 total stays. The total bridge length for all spans is 8,802 feet with the cable-stayed main span measuring 1,525 feet. In addition, the four-ramp prestressed concrete segmental box spans total an additional 9,345 feet.

This inspection included converting the previous condition inspections to element level data and performing this inspection in accordance with the AASHTO Manual for Bridge Element Inspection National Bridge Elements (NBEs) and Bridge Management Elements (BMEs) as well as ODOT's Agency Defined Elements (ADEs). For each of the nine bridges, a written inspection report and InspectTech report were developed along with updated SI&A data, CAD drawings with defect locations and quantities for use by ODOT bridge inspectors during subsequent maintenance inspections. TRC used bucket trucks, man lifts, snoopers and technical rope access means during this inspection. TRC managed multiple inspection teams, in addition to three sub-consultant inspection and testing teams.

In addition to the inspection, testing to determine the chloride content in the deck of all the bridge structures was performed to provide information to ODOT prior to an upcoming deck overlay contract. The structure was inspected in August and September 2017 with the final inspection and InspectTech reports completed in December 2017.

Members Involved: Durk Krone, PE; Michael Paul, PE; Michael Schrepfer

17. FIRM EXPERIENCE

Firm name	TRC Engineers	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Crescent City Connection Bridges and Facilities**	**Firm responsibility (prime or sub?)**	Prime
Project number	700-99-0354 & 700-99-0510	**Owner's name**	LaDOTD
Project location	Orleans, Jefferson and St. Bernard Parishes	**Owner's Project Manager**	Rick Skoien, PE, David Miller, PE
Owner's address, phone, email	2001 Mardi Gras Boulevard, New Orleans, LA 70174; (504) 376-8115; richard.skoien@la.gov; david.miller@la.gov		
Services commenced by this firm (mm/yy)	08/05	**Total consultant contract cost ($1,000's)**	$1,181
Services completed by this firm (mm/yy)	12/11	**Total consultant services provided by this firm ($1,000's)**	$756

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

TRC Engineers was responsible for the performance of routine and maintenance condition inspections of 120 bridges and culverts owned by or in the domain of the Crescent City Connection Division (CCCD) of the LaDOTD. Since 2005, TRC has managed two separate cycles of this contract, the first extending from June 2005 until December 2006 and the second extending from June 2010 until December 2011. The CCCD-funded, operated and maintained toll crossings of the Mississippi River in New Orleans which consisted of two parallel high-level cantilever truss bridges with approaches and approximately 14 miles of elevated structures.

The inspections included hands-on NBIS routine, damage, underwater and special inspections along with inspection reports, SI&A coding to NBIS and LaDOTD standards, repair recommendations and cost estimates. Extensive coordination with local and state agencies was performed for inspection scheduling and traffic control operations. TRC managed multiple TRC inspection teams and sub-consultants to include aerial access, technical rope access, traffic control, safety/inspection boat. TRC inspectors utilized special access equipment such as UB-60 snoopers, bucket trucks and manlifts.

TRC was responsible for emergency responses for post disaster and damage inspections. TRC led two underwater inspections of the cantilever truss bridges and one ferry facility due to marine vessel collisions.

Members Involved: Durk Krone, PE; Michael Schrepfer

17. FIRM EXPERIENCE

Firm name	Forte and Tablada	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Retainer Contract for Off-System Complex Bridge Rating Services**	**Firm responsibility (prime or sub?)**	Prime
Project number	H.009859.5	**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)**	$1,600
Services completed by this firm (mm/yy)	02/19	**Total consultant services provided by this firm ($1,000's)**	$1,100

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 the LaDOTD, Forte and 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, 3-D 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 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).

Members Involved: Joffrey Easley, PE; Levi Yantis, PE

17. FIRM EXPERIENCE

Firm name	KTA-Tator, Inc.	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**Jackson Avenue (Red River) Lift Bridge**	**Firm responsibility (prime or sub?)**	Subconsultant
Project number	4400013322, TO# 1	**Owner's name**	LaDOTD (Gresham, Smith Partners - GSP – prime consultant)
Project location	Alexandria, Louisiana	**Owner's Project Manager**	John Weres, PE, GSP
Owner's address, phone, email	10000 Perkins Rowe, Suite 280, Baton Rouge, LA 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 Avenue (Red River) Lift Bridge in Alexandria, Louisiana 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 task order agreement with LaDOTD, KTA completed a coating condition assessment of the Red River Lift Bridge located in Alexandria, Louisiana. The coating condition assessment was performed on February 18 - 19, 2020. The purpose of this assessment was to determine the condition 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 options was presented, along with recommendations for the maintenance painting on this structure.

Members Involved: Robert Lanterman

17. FIRM EXPERIENCE

Firm name	KTA-Tator, Inc.	**Past Performance Evaluation Discipline(s)***	Bridge
Project name	**General Sullivan Bridge**	**Firm responsibility (prime or sub?)**	Subconsultant
Project number	n/a	**Owner's name**	New Hampshire Department of Transportation VHB (prime consultant)
Project location	Dover, New Hampshire	**Owner's Project Manager**	Steve Hodgdon, VHB
Owner's address, phone, email	6 Bedford Farms Drive, Suite 607, Bedford, NH 03110; (603) 391-3920; shodgdon@vhb.com		
Services commenced by this firm (mm/yy)	11/15	**Total consultant contract cost ($1,000's)**	~$50
Services completed by this firm (mm/yy)	02/16	**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 General Sullivan Bridge carries pedestrian traffic over the Little Bay. The bridge originally opened to vehicular traffic in 1934; in 1984, it was replaced by a new adjacent bridge. Records indicate that the original coating was a red lead and white lead alkyd system.

In 2015-2016, KTA performed a coating condition assessment and coatings laboratory testing, and prepared a report with recommendations for the rehabilitation of the coating system on this bridge. Included in the report were an opinion of probable construction costs and life cycle costs. Specifications were prepared for the remedial surface preparation and coating application operations.

Members Involved: Robert Lanterman

Section 18:
Approach and Methodology

18. APPROACH AND METHODOLOGY

INTRODUCTION

HNTB is one of the nation's leading engineering, architectural and planning firms. Innovative design, coupled with cutting-edge management capabilities, is the hallmark of HNTB's professional service. HNTB is consistently ranked among the top five bridge engineering consultants by Engineering News-Record (ENR). In 2021, ENR ranked HNTB fourth in bridges. Since 1963, we have enjoyed a long history of service and partnership in Louisiana, providing a variety of services to the LaDOTD for decades. HNTB has designed, analyzed or inspected many of the bridges that will be inspected as part of this retainer. Professionals knowledgeable in bridge inspection procedures perform inspections in accordance with the Federal Highway Administration's (FHWA) Bridge Inspector's Reference Manual and AASHTO's Manual for Bridge Evaluation with recognition of fracture critical member, critical feature and scour critical identification practices.

PROJECT UNDERSTANDING

The HNTB team fully understands the scope of services required by the LaDOTD for NBIS in-depth inspection services. The work will generally consist of, but not be limited to, NBIS in-depth bridge inspections, under water bridge inspections, QA inspection, bridge load rating, bridge design and construction support services. Our team will draw on our extensive experience in NBIS inspections, bridge rehabilitation, LRFR ratings and construction services for the LaDOTD. The HNTB team is currently providing all of these services to the LaDOTD under existing contracts, and is fully prepared to work with the LaDOTD project managers to deliver the requirement for each task order.

For turn-key projects such as this, HNTB is uniquely qualified to provide not only subject matter experts for the bridge inspection tasks listed in the scope, but also for the numerous other required services necessary to complete any assigned tasks.

HNTB TEAM

We are qualified to provide in-depth complex bridge inspection and design services. Our team brings you a strong and committed project manager; team experience with LaDOTD and FHWA procedures; experience in using inspection information for asset management, maintenance and rehabilitations; and well-documented QA/QC practices.

Moffatt & Nichol 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.

TRC has inspected numerous complex bridges for the LaDOTD and other states and adds to the team's bench of qualified inspectors.

Forte & Tablada will provide advanced measurements and laser scanning activities, as well as additional certified team leaders.

Modjeski & Masters will assist in movable bridge inspections and rehabilitations, and nondestructive testing. They will also provide certified team leaders that are SPRAT Level III.

KTA-Tator will assist with coating inspection and nondestructive testing.

GOTECH (DBE) will assist with traffic control and land surveying.

Patrick Roth, PE, will serve as project manager for this contract. He is serving as project manager for on the current and previous NBIS in-depth inspection of complex bridges retainers for the LaDOTD. He brings 14 years of structural and bridge engineering and inspection experience, experience in analysis and rehabilitation of existing structures, and experience in 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 be the project manager and lead NBIS inspector **and will be 100% dedicated to this retainer, 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 the certified team leader on numerous large, complex bridge inspections for several clients including the LaDOTD, NY-DOT, ArDOT, MDOT and MTA-Bridges and Tunnel in New York. He has also assisted with several bridge condition and rehabilitation inspections and recommendations, as well as construction inspection and quality assurance.

HNTB TEAM'S PAST EXPERIENCE

The majority of HNTB clients are repeat clients. This type of continued service is a testament to our performance. 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 many previous bridge inspections, allowing for consistency and efficiency in all inspections.

HNTB is currently 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 inspection on 20 complex bridges for the LaDOTD under our retainer contracts which include:

- I-310 Luling Mississippi River
- John James Audubon Mississippi River
- LA-23 Judge Perez
- LA-1 Lockport
- U.S. 90 Atchafalaya River

- I-10 Calcasieu River
- I-10 Baton Rouge Mississippi River
- U.S. 90 Danziger
- Sen. Ted Hickey and Claiborne Avenue Bridges

Most of these structures required unique coordination due to the volume of traffic constantly present on them. The LaDOTD has asked the HNTB team to reduce impacts to the traveling public by reducing the number of lane closures. We have successfully deployed numerous teams and access method including up to 12 rope access inspectors at one time across the structure which has reduced traffic impacts and overall costs.

INSPECTION METHODS

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.

Mobilization: HNTB proposes a mobilization period prior to inspection. During this time, we will review previous inspection reports, design plans and other available data provided by the LaDOTD. Detailed inspection forms will be prepared for each inspected element. Our inspection forms will include recognition of fatigue sensitive details, fracture critical members and maintenance conditions that have been identified in previous inspection reports.

Prior to inspections, we propose a kick-off meeting in Baton Rouge with LaDOTD personnel to present our proposed action plan and inspection schedule. Technical issues, as well as access and traffic control concerns, will be discussed. Close coordination with the LaDOTD, strict adherence to the LaDOTD policies and timely completion of the scope—while working within our established QA/QC plan—are keys to a successful project.

HNTB will also prepare a site-specific safety plan for each inspection which will include hazard analysis and personal protective equipment assessment. All members of the team will review the plan and comply with the training and safety requirements.

Access for Inspections: As part of project preparations and in close coordination with the LaDOTD, HNTB will identify the appropriate level of inspection for all members to be inspected. Inspection of each member will be conducted using the most effective access method, giving due consideration to worker safety and traffic impacts.

Traffic control will be utilized when access is needed from the deck or from adjacent city streets or public areas for the inspection vehicles. HNTB will perform traffic-sensitive inspection during off-peak or weekend hours in order to minimize traffic disruptions during peak travel periods. HNTB, Moffatt & Nichol, Modjeski and Masters and TRC all have SPRAT-certified inspectors that will be used for climbing and rope access techniques. This reduces or eliminates the need for lane closures and inspection vehicles, greatly reducing the impact to the traveling public. The use of multiple inspection vehicles, 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.

As added value, our team offers scanning capabilities that can further identify inherent issues within the structure. HNTB and Forte & Tablada previously collaborated in performing these services on the St. Claude Bridge in New Orleans.

CRITICAL FINDINGS

During the inspections, should a deficiency be identified that impacts the safety of the traveling public, the LaDOTD project manager will be notified immediately by telephone with follow-up written documentation within 24 hours. The deficiency description, digital photos and recommended action will also be conveyed within 24 hours.

REPORTING

Findings will be documented in accordance with the FHWA and LaDOTD Bridge Inspection Manuals, and all information will be entered directly into the LaDOTD's electronic database, Assetwise. The reports will include narrative descriptions of the conditions observed, required sketches and inspection notes. Inspection findings will be cross-referenced with photographic documentation and the root cause of any deficiencies will be stated. A list of recommendations for repairs, rehabilitation, load capacity analysis, corrections and other maintenance functions will be provided. All photographs will have unique names and can be sorted by region. This system has proven to streamline the 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.

ABILITY TO MEET SCHEDULE

The HNTB team has the capacity to provide multiple teams of experienced inspectors if that proves to be the most efficient way to proceed at bridge sites assigned to HNTB. The HNTB team has a local bridge staff of over 20 people dedicated to bridge design and inspection, and numerous national resources, allowing our team to meet your schedule without sacrificing quality. The staff identified in the organizational chart are available and committed to providing the resources necessary to meet the schedule requirements.

In addition to ensuring our project is adequately staffed with the most qualified personnel to provide the LaDOTD the best service, HNTB will be proactive in procuring equipment. In order to ensure adequate access equipment is available to facilitate inspection work, we start by making equipment reservations immediately after notice-to-proceed.

LRFR LOAD RATING

The results of the bridge inspections will be used to account for damage or deterioration of existing members. The HNTB team includes multiple personnel

experienced in LRFR load rating of bridge structures. As a former member of the LaDOTD's Load Rating Gang, **Josh Porter, PE**, is ready to lead any load rating assignment. Backed by additional HNTB resources, as well as **Joffrey Easley, PE,** (Forte & Tablada), the HNTB team can quickly execute all load rating assignments. The HNTB team will use these load rating results to identify deficient members that control the load-carrying capacity of the structure. These members could be replaced or strengthened based on load rating results, adding more value to rehabilitation projects.

Previously, HNTB inspected and load-rated the Pierre Part Bay Bridge as part of a previous task order assignment. Based on these results, elements of the floor system were identified to be replaced as part of a future preventative maintenance rehabilitation which never progressed to final design. This project is a direct example of the intended outcome of the field inspection and load rating tasks.

DESIGN AND PLAN DEVELOPMENT

The HNTB team provides LaDOTD access to a full-service suite of local and national resources—people you already know and trust—capable of executing a range of design and repair assignments, removing any learning curve. Our Baton Rouge staff consists of 12 bridge engineers and two technicians who are intimately familiar with LaDOTD bridge design policy and procedures and, in some cases, assisted in their creation. With the addition of our subconsultant partners, we are uniquely prepared to handle anything from planned 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
NTP	✓				
TASK 1 PRE-INSPECTION					
Review Previous Inspection Reports	▬				
Prepare Inspection Documentation, Traffic Control Plans and Inspection Schedule	▬				
Coordination with LaDOTD, District, Subconsultants, Traffic Control, USCG, Equipment Vendors, etc.	▬				
TASK 2 FIELD INSPECTION		▬			
TASK 3 REPORTING					
Prepare Draft Report			▬		
QA/QC			▬		
Submit Draft Report				✓	
LaDOTD Review				▬	
Revise Report				▬	
QA/QC					▬
Submit Final Report					✓

SURVEY AND ADVANCED MEASUREMENTS

If the need arises, all topographic survey work will be performed by our DBE subconsultant, GOTECH. With more than 20 years of experience, **Robert Price PLS**, has the experience and knowledge to handle any survey assignment. Throughout his career, he has completed multiple survey 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, Robert and the HNTB team will efficiently complete each survey task assigned.

As an added value, the HNTB team is qualified to perform advance measurements and scanning activities through our subconsultant, Forte and Tablada. These activities will be led by **Brent Campbell.** Brent and the rest of the HNTB team have multiple experiences working together, including performing multiple advanced measurements projects on movable and fixed bridges. An example is scanning the underside of the I-12 bridges over Airline Highway. The scan and post-processing identified out-of-plane bending of steel girders that were struck by overheight vehicles. The information will be used to develop rehabilitation plans in the future.

REPAIR PROJECTS

HNTB has held LaDOTD bridge design IDIQ retainer contracts since 2011. During that time, we have successfully delivered more than 60 task order assignments, the majority of them focused on preliminary and final design. **We know LaDOTD's design manuals and plan development procedures by heart.**

Led by **Todd Dustin Bastion, PE**, the design team will be selected based on specific assignment needs and staff capabilities. We will collaborate with the bridge maintenance staff to understand the scope of repairs, as well as the deliverable schedule. We will ensure all designs and deliverables are thoroughly checked for quality prior to every submittal. We know how to compile preliminary plan sets, but we envision final plan development will be the primary deliverable.

Assuming a repair project will be environmentally cleared quickly, we have the ability to jump directly to final plan development to expedite schedule. On our

LA-442 Bridge Replacement project, we were able to complete the topographic survey and design and develop final plans, in only a few months' time. We have recently completed heat-straightening, concrete girder replacements, steel and concrete girder repairs and entire bridge replacements. **We have the depth of staff and technical knowledge to take on any assignment the LaDOTD may have.** We will work with the LaDOTD project manager on each assignment to develop a schedule specific to the scope and deliverables required within the contract. At a minimum, this schedule will include all design tasks, plan development tasks, internal quality reviews, deliverable milestone dates and LaDOTD review periods. We will proactively track project progress to ensure work is completed and submitted on time for every single deliverable.

LaDOTD LIFE CYCLE CONSULTANT

HNTB currently holds active bridge inspection and bridge preservation retainers with LaDOTD. This dual role provides HNTB with a uniquely informed perspective that maximizes efficiencies and creates a seamless transition in project flow. HNTB has had the opportunity to contribute to this life cycle role on multiple bridges, including the U.S. 90 Bridge over the Atchafalaya River. For this project, HNTB completed an in-depth inspection as part of our bridge inspection retainer. After in-depth and element level inspection reports were submitted, HNTB was contracted under our bridge preservation retainer to develop repair recommendations and plans for an upcoming painting and structural rehabilitation project. Because of in-depth inspection work, our personnel were able to immediately start developing the plans, and to accurately determine repair locations. Additionally, we were able to standardize repairs into specific groups and then develop general details for each group. This project was successfully let in November 2018, and HNTB is currently providing construction related engineering services. **This project demonstrates the potential efficiency and continuity which can be obtained by utilizing one experienced consultant to carry a repair project through its entire life-cycle, including condition inspection, repair recommendations, rehabilitation plans and construction engineering support.**

CONSTRUCTION SUPPORT & SHOP DRAWING REVIEW

Currently, the HNTB team has six active construction engineering support task orders that are focused on bridges. In addition, we have successfully completed a number of similar assignments recently. We are very comfortable with the list of tasks related to these types of contracts and we will proactively engage with the bridge maintenance project manager, as well as district construction staff, to develop a communication protocol that is efficient, but also ensures all decision-makers stay informed of all events.

We will typically respond to RFIs within 24 hours and return shop drawing submittals within one week's time. We understand how these types of submittals progress internally through the acceptance process and can actually assist in the workflow. With our knowledge in this area and our recent relevant experience, we can exceed your expectations from day one.

WORKLOAD

It is no secret the HNTB team's workload consistently stays relatively high, particularly in the bridge discipline. We don't hide the fact that we are LaDOTD's bridge consultant and we are committed in specializing in LaDOTD work of all types. **We are consistently able to complete our assignments on-time, on-budget, with the highest quality deliverables, to your satisfaction.**

We have the depth of bridge resources to take on more work. The local Baton Rouge office includes 14 bridge-focused staff, and we can offer over 400 bridge personnel nationwide. We have the LaDOTD-specific technical knowledge to handle more assignments efficiently and with the highest level of quality. If our past performance is any indication, *we will deliver on time, we will be accurate and we will set the LaDOTD up for success.* We hope you take into account these facts when considering our current workload score and allow the HNTB team to continue our more than 50-year partnership with the LaDOTD.

QUALITY ASSURANCE PLAN

Quality control is critical to the consistent success of all projects and HNTB has already developed a QA/QC manual specific for this project. A successful quality management plan relies on three fundamental items: people, process and tools. HNTB will ensure all of our subconsultants document and follow our QA/QC process. HNTB will perform QA reviews on all deliverables from our subconsultants. In accordance with the requirements of the adversizement, we will be prepared to provide our Quality Management Plan within ten days of notice of award of this contract. Furthermore, for each assignment, we will develop a QA/QC approach custom tailored to the specific scope of work.

WORK ZONE TRAINING REQUIREMENTS

HNTB has over 20 staff who have taken the traffic control technician, supervisor and flagger class. **Randy Bonura, PE,** and **John "Sparky" Hoffman** will assist with preparing traffic control plans. **Patrick Roth**, **Michael Schrepfer** and **Chace Hulon** are all ATSSA traffic control supervisors and they will be present in the field during the inspections.

CONCLUSION

HNTB has assembled a highly-experienced team of engineers and technicians with specialized background in the inspection of complex structures. The project team has inspected and evaluated numerous major river or movable bridges. Many team members proposed for this contract have worked together to complete these projects, utilizing HNTB's proven inspection methods, reporting procedures and quality assurance practices.

We are proud of our nearly 110-year heritage founded on our bridge expertise and are excited about the opportunity to work with LaDOTD to deliver engineering services through this contract.

Section 19:
Workload

19. WORKLOAD

Firm	Past Performance Evaluation Discipline(s)*	State project number	Project name	Remaining unpaid balance**
HNTB Corporation	Environmental	H.003931	I-10 Calcasieu NEPA Restart (Lake Charles, LA)	$1,073,000
	Bridge	State Contract No. 44-13321	**IDIQ Contract for In-Depth Bridge Inspection**	
		H.009730.5	Calcasieu, EBR and West Feliciana Parishes	$1,141,000
	Road; Bridge	H.008145.5	Leeville to Golden Meadow - Route LA 1 Relocated	$183,000
	Bridge	State Contract No. 4400005772	**Bridge Preservation Retainer**	
		H.010012.6	I-20: U.S. 80 Overpass Bridge Replacement	$68,000
	Bridge; Other	State Contract No. 4400010060	**Retainer Contract for Trust Indenture Services and Engineering Services for LA 1 Toll Facilities**	
			Task Order No. 1: LA-1 Program Support	$391,000
			Task Order No. 3: LA Post Ida Repairs	$32,000
			Task Order No. 9: FY 2022 Annual Trust Indenture Inspection	$81,000
		H.013164.1	RTCS and Interim BOS Task Order No. 7	$71,000
	Other	State Contract No. 44-17329	**IDIQ Contract for Innovative Procurement Support Services**	
		H.012357.1	Task Order No. 1: I-12 Managed Lane Conversions	$174,000
			Task Order No. 2: EOR	$74,000
			Task Order No. 3: Jimmie Davis DB Procurement	$394,000
			Task Order No. 4: I-10 Calcasieu Toll Support	$93,000
	Bridge	State Contract No. 44-17264	**Retainer Contract for Bridge Preservation**	
		H.0100017.5	Final Plan for Rehab of U 90Z	$101,000
		H.014588.5	I-20: Orange Street Overpass Repair	$82,000
		H.014672.5	I-12 Overpass of LA	$4,000
		H.010319.5	I-110: North Street to Plank Road	$94,000
		H.001166.6	Caddo Lake CRES	$141,000

Firm	Past Performance Evaluation Discipline(s)*	State project number	Project name	Remaining unpaid balance**
HNTB Corporation	Bridge	H.014324.6	LA-3250: I-49/UPRR Overpass Repair	$58,000
		H.014454.6	Boeuf River Bridge CRES	$100,000
		H.011965.5	LA-47 Cleaning and Inspection	$238,000
		H.014672.6	I-12: LA-1032 Overpass Repair	$44,000
GOTECH, Inc.	CE&I/OV	Contract No. 4400013851; Task Order No. H.013532, H.013271.6, H.012473.6	IDIQ Contract for Construction Engineering & Inspection Services for Safety Projects with Majority of Work in Districts 02, 61 & 62 – Denham Springs Rd Signing & Striping (Livingston Parish, LA)	$38,640,000 $20,000,000
	CE&I/OV	Contract No. 4400013710; Task Order No. H.003014.6, H.003003.6, H.012861, H.012304	IDIQ Contract for Construction Engineering & Inspection Services - Statewide with Majority of work in District 03 (Lafayette, LA)	$19,481,000 $50,628,000
	CE&I/OV	Contract No. 4400004631; Task Order No. H.003107.6 Task Order No. 1 Task Order No. 2	Retainer Contract for Construction Engineering Management and Staff Augmentation Services for District 62 (St. Helena, Livingston, St. John, Tangipahoa, Washington & St. Tammany Parishes)	$171,520
	Survey; Road	Contract No. 4400004666; Task Order H.002868.5	I-49 South: Ambassador Caffery & U.S. 90 Interchange – Route U.S. 90 (Lafayette Parish)	$38,928
	Survey	H.004791	Belle Chasse Bridge & Tunnel Replacement (Plaquemines Parish)	$40,150
	CE&I/OV	Contract No. 4400017006; Task Order No. H.011670	I-10 / Loyola Interchange Improvements (Jefferson Parish)	$658,523
	CE&I/OV	Contract No. 4400017430; Task Order No. H.001498.6	LA-24 & 316: Company Canal Bridge CE&I (Terrebonne Parish)	$377,825
	Planning	Contract No. 4400017327	IDIQ Innovative Procurement & Alternative Delivery Support Services, Statewide	$92,479
	CE&I/OV	Contract No. 4400019950 Task Order No. H.003003	IDIQ Contracts for Construction Engineering & Inspection Services, Statewide w/ Majority of Work in District 03	$18,300

Firm	Past Performance Evaluation Discipline(s)*	State project number	Project name	Remaining unpaid balance**
Moffatt & Nichol	Bridge	H.009730.5	In-Depth Inspection of Complex Bridges	$291,705
	Bridge	H.009730.5	In-Depth Inspection of Complex Bridges	$396,988
	Planning	NA	Future of the Louisiana Waterways Transportation	$135,357
	Bridge	H.011331.5	LaDOTD Inventory and Inspection of Sign Trusses	$420,203
	Bridge	H.009730.5	LaDOTD Underwater Bridge Inspection Statewide	$715,252
	Environmental	NA	IDIQ Contract for Louisiana Watershed Initiative (LWI) Modeling Contract	$745,498
	Data Collection	H.971294.1	LaDOTD RIMS	$85,791
TRC Engineers, Inc.	Bridge	H.009730.5	Retainer Contract for In-depth Bridge Inspections (On-Sys)	$193,930
	Bridge	44-21128	LA-1 : Port Allen Canal Bridge Replacement (Phase 1 & 2)	$110,456
	Other	H.009859.5	Bonnet Carre Spillway and Bayou Ramos Monitoring System Maintenance	$24,973
	Bridge	44-17327	IDIQ Contract for Innovative Procurement and Alternative Delivery Support Services	$125,935

Forte & Tablada	Bridge	H.005121.5	LA-1 /LA-415 Connector	$570,367
	Bridge	44-20156	LA-47: IWGO Bridge Rehabilitation (HBI) - Final Plans	$455,797
	Bridge	44-17264	IDIQ Contract for Bridge Preservation – LA-47 Clean/Insp.	$380,525
	Bridge	44-21515	Movable Bridge Rehabilitation – Contract #3	N/A
	Bridge	H.012485.1	IDIQ Contract 4400010099, Task Order No. 4 Off System Bridge Load Rating, Statewide	$ 190,738
	Bridge	H.012485.1	IDIQ Contract 4400010099, Task Order No. 5 Bridge and Culvert Load testing	$276,656
	Survey	H.014628.5	IDIQ Contract 4400010587, Task Order No. 17 Turn Lanes at Rice Mill	$71,418
	Survey	H.014219, H.014222, H.014228, H.014231, H.014236, H.013954, H.013979, H.013985, H.013992, H.013994, H.013995, H.013990	Rural Bridge Replacement Initiative	$54,676
	Survey	H.003931.5	IDIQ Contract 443015237 I-10 Calcasieu River Bridge Replacement	$2,067,730
	Survey	H.004273.5	LaDOTD I-49 Connector (Lafayette Regional Airport to I-10/U.S. 167 Interchange)	$119,318
	Survey	H.012485.1	IDIQ Contract 4400010099, Task Order No. 3 Metal Culverts Inspection, Statewide	$103,399
	Survey	H.011684	LA-327 Spur: Staring Lane Extension Route LA-327-S	$50,279
	Survey	H012072	LA-60 Drain Bridge	$1,428
Modjeski and Masters		**S.P. 700-66-0461 H.005358.5**	**Bridge Scour Analysis - Statewide**	
		S.P. 700-66-0486	**Engineering Services for Bridge Preservation Retainer 440000668 - Statewide**	
	Bridge	H.009479	West Larose Vertical Lift Bridge Rehabilitation - Supplement No. 2	$15,252
	Bridge	JN 3144	Expert witness services in bridge design, construction, repair and forensic analysis	$274,617
		Retainer Contract 4400002538	**Engineering Services for Bridge Preservation Retainer Statewide**	
	Bridge	H.010882.5	LA-18: 4th Street Bridge Rehabilitation (Supplement No. 2) Construction Services Jefferson Parish	$52,284
	Bridge	H.010882.6	4th Street Bridge Rehabilitation Paint (Supplement No. 3) Route LA-18	$7,884
	Other	H.003014.6	I-10: LA-347 to Atchafalaya Fldwy Bridge (Const. Svcs.)	$15,094
		Retainer Contract 4400005395	**Construction Engineering and Inspection with Painting- Statewide**	
	CE&I/OV	H.011705.6	U.S. 11 Lake Pontchartrain Bridge Rehabilitation - Phase 2	$71,494

Modjeski and Masters	CE&I/OV	H.011494.6	U.S. 90 Atchafalaya River Bridge Rehabilitation	$473,468
		Retainer Contract 4400004921	**Complex Bridge Rating (on-system trusses and other complex bridges)- Statewide**	
	Bridge	H.009859.5	Ten Truss Bridges - Load Rating and Evaluation	$63,424
	Bridge	H.009859.5	Sunshine Bridge Load Rating after Collision Repair - Task Order 4	$13,605
	Bridge	H.012485.1	Load Rating of 354 Off-System Bridges - Task Order 6	$0
	Bridge	H.009859.5	Load Rating of 14 Complex Bridges	$364,034
		Retainer Contract 4400005774	**Retainer Contract for Bridge Preservation- Statewide**	
	Bridge	H.001234.5	Port Allen Canal Bridge	$64,231
	Other	H.010601.6	I-10: LA-328 to LA-347 - CRES	$47,334
	Other	H.011137.5	I-12: LA-1077 to U.S. 10 Roadway and Navigation Lighting	$38,177
		IDIQ Contract 4400012382	**ID/IQ for Bridge Preservation- Statewide**	
	Bridge	H.011705.6	U.S. 11: Lake Pontchartrain Bridge Rehab Phase 2 (HBI)	$3,015
	Bridge	H.012343.6-1	LA-70: Mississippi River Bridge Phase III	$25,598
	Bridge	H.013179.6	LA-1064: Little Natalbany River Bridge Replacement - Construction Svcs.	$14,727
	Bridge	H.013183.6	LA-16: Tangipahoa River Bridge Replacement - Construction Svcs.	$33,963
	Bridge	H.013193.6	U.S. 61: Thompson Creek Bridge - Construction Svcs. Rehabilitation and Replacement	$804
	Bridge	H.013829.5	I-10 and LA-47: Overhead Sign Upgrade	$0
	Bridge	Task Order No. 2	LG Bridge Design Example and Parametric Studies	$74,644
	Bridge	H.012343.6	LA-70: Mississippi River Bridge Phase III - Legal	$13,956
	Bridge	H.012739.6	I-20 Mississippi River Brigde at Vicksburg Overlay and Rehabilitation - Const. Svcs.	$0
	Bridge	H.000303.6	Danzinger Bridge Rating and Repair	$54,343
	Bridge	H.006226.5	Point-A-LA-Hache Ferry Landing Replacement Plaquemines Parish	$366,612
	Bridge	H.009859.5	Strengthening of U.S. 90 Bridge 201810	$16,182
	Bridge	H.003144.6/SPN 450-37-0022	Luling Bridge Cable Stay Replacement Project Supplement No. 3	$8,146
	Other	H.011235	Subconsultant: I-49 South at Verot School Road - Lighting	$32,989

Modjeski and Masters		H.004791	Subconsultant: Belle Chasse B7T Replacement P3 - Electrical and Structural	$56,387
		IDIQ Contract 4400017263	**ID/IQ for Bridge Preservation - Statewide**	
	Bridge	H.010603.6	I-20 Mississippi River Bridge at Vicksburg - Monitoring	$20,925
	Other	H.013866.6	I-12: LA-21 to U.S. 190 Navigation Lighting & Roadway Lighting	$74,626
	Other	H.003184.6	I-10: Texas State Line - E. of Coone Gully - CRES	$74,916
	Bridge	H.011485.6	LA336-1: Bayou Teche Bridge Rehabiliation	$121,680
	Other	H.012889.5	I-20 Rehabilitation - Roadway Lighting (Pines Road to I-220)	$120,034
	Bridge	H.000263.5	Chef Menteur Pass Bridge & Approach	$27,466
	Bridge	H.014406.5	LA-661: Houma Navigation MB Electrical Repair	$17,380
	Bridge	H.011965.5	LA-47: IWGO Bridge Rehabilitation (HBI) LA-47: Over the Intercoastal Waterway Gulf Outlet (IWGO)	$15
	Bridge	H.009859.5	Prien Lake Bridge Structural Rating	$18,730
	Bridge	H.004420.5	Barataria Preliminary Fender Design	$14,913
	Bridge	H.014280.5	Bayou Ramos Bridge Girder Study	$47,369
	Bridge	H.014673.5	I-49 U.S. 165 Debonded PPC Girder Rehab	$301,900
	Bridge	H.014587	LA-302: Kerner Ferry Bridge Repairs PH 2 - Constr Support	$108,730
	Bridge	H.013946.6	Sunshine Bridge Fender Construction - 2021	$100,199
	Bridge	H.009859.5-2	Load Rating of two existing bridges	$354,659
	Bridge	H.004420.5	Bayou Barataria Bridge at Jean Lafitte - Supp 1	$60,168
	Bridge	H.014406.6	Houma Navigation Canal Swing Bridge - Electrical Repair CRED	$27,968
	Bridge	H.004100	Subconsultant: LA-415 to Essen Lane on I-10 and I-12 CMAR RCP Plans	$1,929,344
			Oaklawn Submarine Duct Assessment for contractor	$5,100
	Bridge	H.001234.6	LA- 1: Port Allen Canal Bridge Replacement - Phase 1 CRES	$326,444
		IDIQ Contract 4400020063	**ID/IQ for Electrical Services - Statewide**	
	Bridge	H.014212.6	I-10 Atchafalaya Bridge Navigational Lights Repl	$115,338

GOTECH, Inc.	CE&I/OV	Contract No. 4400013851; Task Order No. H.013532, H.013271.6, H.012473.6	IDIQ Contract for Construction Engineering & Inspection Services for Safety Projects with Majority of Work in Districts 02, 61 & 62 – Denham Springs Rd Signing & Striping (Livingston Parish, LA)	$38,640,000 $20,000,000
	CE&I/OV	Contract No. 4400013710; Task Order No. H.003014.6, H.003003.6, H.012861, H.012304	IDIQ Contract for Construction Engineering & Inspection Services - Statewide with Majority of work in District 03 (Lafayette, LA)	$19,481,000 $50,628,000
	CE&I/OV	Contract No. 4400004631; Task Order No. H.003107.6 Task Order No. 1 Task Order No. 2	Retainer Contract for Construction Engineering Management and Staff Augmentation Services for District 62 (St. Helena, Livingston, St. John, Tangipahoa, Washington & St. Tammany Parishes)	$171,520
	Survey; Road	Contract No. 4400004666; Task Order H.002868.5	I-49 South: Ambassador Caffery & U.S. 90 Interchange – Route U.S. 90 (Lafayette Parish)	$38,928
	Survey	H.004791	Belle Chasse Bridge & Tunnel Replacement (Plaquemines Parish)	$40,150
	CE&I/OV	Contract No. 4400017006; Task Order No. H.011670	I-10 / Loyola Interchange Improvements (Jefferson Parish)	$659,523
	CE&I/OV	Contract No. 4400017430; Task Order No. H.001498.6	LA-24 & 316: Company Canal Bridge CE&I (Terrebonne Parish)	$377,825
	Planning	Contract No. 4400017327	IDIQ Innovative Procurement & Alternative Delivery Support Services, Statewide	$92,479
	CE&I/OV	Contract No. 4400019950 Task Order No. H.003003	IDIQ Contracts for Construction Engineering & Inspection Services, Statewide w/ Majority of Work in District 03	$18,300

19. WORKLOAD

Firm	Past Performance Evaluation Discipline(s)*	State project number	Project name	Remaining unpaid balance**
KTA-Tator, Inc.	Bridge	4400013321	IDIQ Contract for In-Depth Bridge Inspection Statewide (sub to HNTB) – KTA has not received any task order assignments on this contract to date.	n/a
	Bridge	4400013322	IDIQ Contract for In-Depth Bridge Inspection Statewide (sub to Gresham, Smith & Partners) • Task Order #4 – In-Depth Inspection of Complex Structures	$59,234
	Bridge	4400020156	State Project No. H.011965.5, LA 47; IWGO Bridge Rehabilitation (sub to TRC)	$11,294

Section 20:
Certifications/Licenses

20. CERTIFICATIONS/LICENSES - HNTB CORPORATION

NHI/FHWA CERTIFIED TEAM LEADER

National Highway Institute

Certificate of Training

PATRICK ROTH

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: January 7-9, 2019 *Hours of Instruction:* 18

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Michael Davis, Director
National Highway Institute

National Highway Institute

Certificate of Training

Dusty Bastion

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Louisiana Department of Transportation & Development

Date: January 12-14, 2021 *Hours of Instruction:* 18

Location: Virtual Delivery, LA

Digitally signed by John P. Bogue, P.E. Date: 2021.01.14 18:44:02 -05'00'

Instructor

Digitally signed by Calvin A. MacDougall, P.E. Date: 2021.01.15 14:39:01 -05'00'

Instructor

Allison H. Landry

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

National Highway Institute

Certificate of Training

Loren E. Dickens, III

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Kansas Department of Transportation

Date: May 2-4, 2017 *Hours of Instruction:* 18

Location: Topeka, Kansas

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

National Highway Institute

Certificate of Training

Patrick Roth

has participated in

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

hosted by

GPI Greenman - Pedersen Inc.

Date April 28 – May 9, 2014 *Hours of Instruction:* 67

Location: Babylon, New York

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Dusty Bastion

has participated in

FHWA-NHI 130055 Safety Inspection of In-Service Bridges

hosted by

LA DOTD/LTRC

Date: January 4-15, 2016 *Hours of Instruction:* 67

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

National Highway Institute

Certificate of Training

LOREN DICKENS

has participated in

FHWA-NHI-130055 Safety Inspection of In Services

hosted by

Nebraska Department of Roads

Date: 4/9-13 & 4/23-27, 2012 *Hours of Instruction:* 67 Hours

Location: Lincoln, NE

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

NHI/FHWA CERTIFIED TEAM LEADER

National Highway Institute

Certificate of Training

BENJAMIN GOODNER

FHWA-NHI-130053 Bridge Inspection Refresher Training

LA DOTD/LTRC

Date: January 7-9, 2019 *Hours of Instruction:* 18

Location: Baton Rouge, LA

National Highway Institute

Certificate of Training

Joshua Porter, P.E.

FHWA-NHI-130053 Bridge Inspection Refresher

Texas Department of Transportation

Date: April 11-13, 2017 *Hours of Instruction:* 18

Location: Austin, TX

National Highway Institute

Certificate of Training

Marc Hoffmann

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Louisiana Department of Transportation & Development

Date: January 12-14, 2021 *Hours of Instruction:* 18

Location: Virtual Delivery, LA

Instructor

Instructor

Allison H. Landry

Local Coordinator

Thomas Harman

Thomas Harman, Director

National Highway Institute

National Highway Institute

Certificate of Training

Benjamin Goodner

has participated in

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

hosted by

WSP GROUP

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

Instructor

Instructor

Local Coordinator

Richard Barnaby, 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

hosted by

LA DOTD/LTRC

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

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director

National Highway Institute

National Highway Institute

Certificate of Training

Marc Hoffmann

has participated in

FHWA-NHI-130055

Safety Inspection of In-Service Bridges

hosted by

LA DOTD/LTRC

Date: June 13-24, 2016 *Hours of Instruction:* 67

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director

National Highway Institute

National Highway Institute

Certificate of Training

John Bernard

has participated in

NHI Course No. 130055 -

Safety Inspection of In-Service Bridges

hosted by

LA DOTD/LTRC

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

Location: Baton Rouge, LA

National Highway Institute

Certificate of Training

Kaleb S. Hawk

has participated in

FHWA-NHI-13055 Safety Inspection of In-Service Bridges

hosted by

Kansas Department of Transportation

Date: February 6 – 17, 2016 *Hours of Instruction:* 67

Location: Topeka, Kansas

Actual Class dates were February 6 - 17, 2017. For verification of dates, please contact National Highway Institute Session No. 20170320 or Becky Welsh at Kansas Department of Transportation 785-291-3463 or becky.welsh@ks.gov

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director

National Highway Institute

National Highway Institute

Certificate of Training

NICHOLAS HART

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

LA DOTD/LTRC

Date: October 11-15, 2021 *Hours of Instruction:* 34

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Thomas Harman

20. CERTIFICATIONS/LICENSES - HNTB CORPORATION

1. TRAFFIC CONTROL SUPERVISOR

2. LADOTD MOVABLE BRIDGE INSPECTION WORKSHOP

20. CERTIFICATIONS/LICENSES - HNTB CORPORATION

3. FHWA/NHI FRACTURE CRITICAL INSPECTOR COURSE

National Highway Institute

Certificate of Training

DUSTY BASTION

has participated in

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

hosted by

LA DOTD/LTRC

Date: June 20-23, 2017 *Hours of Instruction:* 25

Location: Baton Rouge, LA

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

National Highway Institute

Certificate of Training

Loren Dickens

has participated in

FHWA-NHI 130078

Fracture Critical Inspection Techniques for Steel Bridges

hosted by

Iowa LTAP at the Institute for Transportation

Iowa State University

Date: October 9-12, 2012 *Hours of Instruction:* 21

Location: Ames, Iowa

Instructor — Local Coordinator

Instructor — Richard Barnaby, Director, National Highway Institute

National Highway Institute

Certificate of Training

Patrick Roth

has participated in

FWHA – NHI – 130078 Fracture Critical Inspection Techniques for Steel Bridges

hosted by

PKB Engineering Corp.

Date: July 8-11, 2014 *Hours of Instruction:* 21 Hours

Location: Lyndhurst, NJ

Instructor — Local Coordinator

Instructor — Richard Barnaby, Director, National Highway Institute

National Highway Institute

Certificate of Training

Kaleb Hawk

has participated in

FHWA-NHI-130078 Fracture Critical Techniques for Steel Bridges

hosted by

HAKS

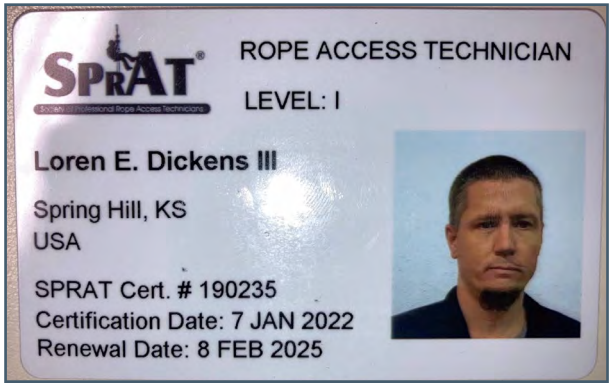
Date: February 28 – March 3, 2017 *Hours of Instruction:* 25

Location: New York, NY

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

4. SPRAT TRAINING (ROPE ACCESS)



SPRAT®
Society of Professional Rope Access Technicians

February 12, 2020

Nicholas Ryan Hart
6515 Clarksdale Lane
Durham, NC 27713
USA

Dear Nicholas Ryan:

Congratulations! You have successfully completed certification testing for Level 1 Rope Access Technician and are hereby awarded the enclosed certificate. Please note that you are required to adhere to the Society's consensus safety standard, ***Safe Practices for Rope Access Work*** – most recent edition.

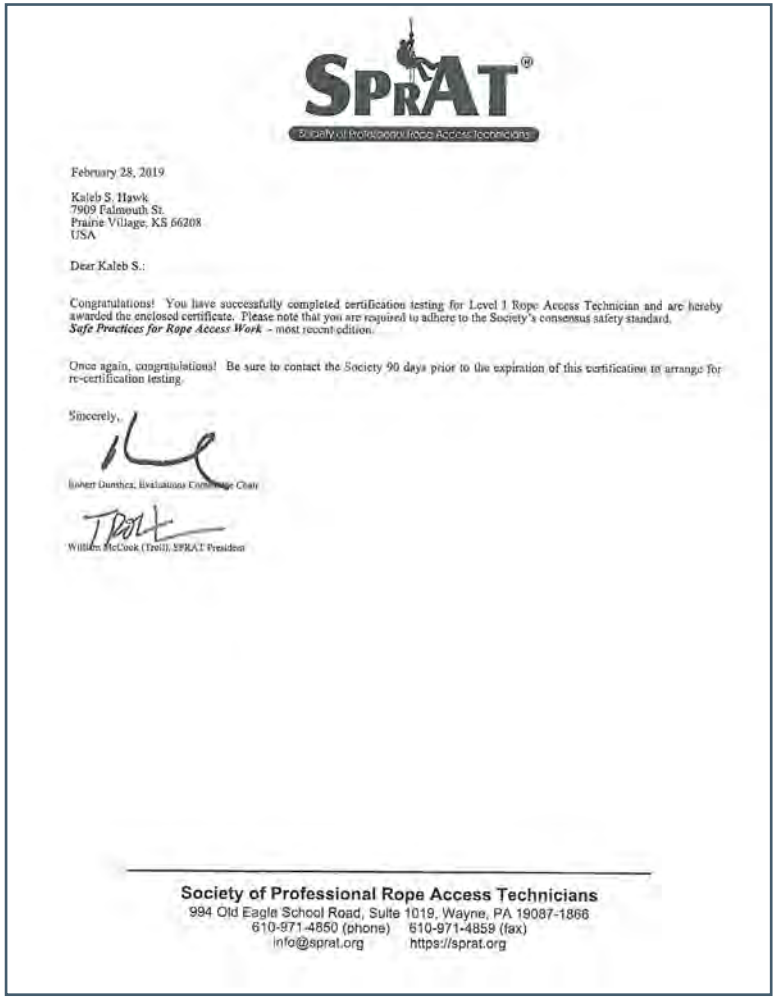
Once again, congratulations! Be sure to contact the Society 90 days prior to the expiration of this certification to arrange for re-certification testing.

Sincerely,

Robert Dunshea, Evaluations Committee Chair

William McCook (Troll), SPRAT President

Society of Professional Rope Access Technicians
994 Old Eagle School Road, Suite 1019, Wayne, PA 19087-1866
610-971-4850 (phone) 610-971-4859 (fax)
info@sprat.org https://sprat.org



SPRAT®
Society of Professional Rope Access Technicians

February 28, 2019

Kaleb S. Hawk
7909 Falmouth St.
Prairie Village, KS 66208
USA

Dear Kaleb S.:

Congratulations! You have successfully completed certification testing for Level 1 Rope Access Technician and are hereby awarded the enclosed certificate. Please note that you are required to adhere to the Society's consensus safety standard, ***Safe Practices for Rope Access Work*** – most recent edition.

Once again, congratulations! Be sure to contact the Society 90 days prior to the expiration of this certification to arrange for re-certification testing.

Sincerely,

Robert Dunshea, Evaluations Committee Chair

William McCook (Troll), SPRAT President

Society of Professional Rope Access Technicians
994 Old Eagle School Road, Suite 1019, Wayne, PA 19087-1866
610-971-4850 (phone) 610-971-4859 (fax)
info@sprat.org https://sprat.org

20. CERTIFICATIONS/LICENSES - 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. David Spencer Flanders

License/Certificate Type - Number	Expiration Date
PE.0035264	09/30/2022

Status: Active

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	03/31/2022

Status: Active

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

Mr. Marc Alexander Hoffmann

License/Certificate Type - Number	Expiration Date
PE.0044342	09/30/2022

Status: Active

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	09/30/2023

Status: Active

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	09/30/2023

Status: Active

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

Mr. Daniel Gerard Appelbaum

License/Certificate Type - Number	Expiration Date
PE.0038362	03/31/2022

Status: Active

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	03/31/2022

Status: Active

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	03/31/2023

Status: Active

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

Mr. Michael Capellupo Gurzo

License/Certificate Type - Number	Expiration Date
PE.0038062	09/30/2023

Status: Active

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: PE.0045076
Expiration Date: 03/31/2023
Status: Active

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: PE.0045363
Expiration Date: 09/30/2023
Status: Active

National Highway Institute

Certificate of Training

Loren Dickens

FHWA-NHI-135046 Stream Stability and Scour at Highway Bridges

Kansas Department of Transportation

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: PE.0031026
Expiration Date: 03/31/2024
Status: Active

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: PE.0039861
Expiration Date: 09/30/2023
Status: Active

National Highway Institute

Certificate of Training

NICHOLAS HART

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

LA DOTD/LTRC

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

Aravind Tankasala, PhD

License/Certificate Type - Number: PE.0046286
Expiration Date: 03/31/2024
Status: Active

20. CERTIFICATIONS/LICENSES - MOFFATT & NICHOL, INC.

NHI/FHWA CERTIFIED TEAM LEADER


National Highway Institute
Certificate of Training
Chace Hulon, PE
FHWA-NHI-130053 Bridge Inspection Refresher Training
Boston Society of Civil Engineers Section/ASCE
Date: October 1-3, 2019
Location: Boston, MA
Hours of Instruction: 18


National Highway Institute
Certificate of Training
Charles Balzarini
FHWA-NHI-130055- Safety Inspection of In-Service Bridges
Ohio Department of Transportation
Date: 9/26/16 – 10/7/16
Location: Columbus, OH
Hours of Instruction: 67


National Highway Institute
Certificate of Training
Steven Armstrong
Safety Inspection of In-Service Bridges
FHWA-NHI-130055
Virginia Department of Transportation
Date: March 16-30, 2018
Location: Fredericksburg, Virginia
Hours of Instruction: 67 Hrs


National Highway Institute
Certificate of Training
Chace Hulon
has participated in
Safety Inspection of In Service Bridges
NHI Course 130055A
hosted by
Iowa State University
Location: Des Moines, IA
Date: June 20 - July 1, 2005
Hours of instruction: 80


National Highway Institute
Certificate of Training
Joshua Martinez
FHWA-NHI-130055 Safety Inspection of In-Service Bridges
CDM Smith
Date: April 13-24, 2015
Location: Cary, NC
Hours of Instruction: 67 hours


National Highway Institute
Certificate of Training
Joshua Martinez
FHWA-NHI-130053 Bridge Inspection Refresher Training
Arizona Department of Transportation
Date: October 22-24, 2019
Location: Phoenix, AZ
Hours of Instruction: 18


National Highway Institute
Certificate of Training
Mike Russell
FHWA-NHI-130055 Safety Inspection of In-Service Bridges
Hawaii Department of Transportation
Date: December 6-17, 2021
Location: Honolulu, HI
Hours of Instruction: 67


National Highway Institute
Certificate of Training
Jeffrey Gazarek
FHWA-NHI 130055 Safety Inspection of In-Service Bridges
LA DOTD/LTRC
Date: January 4-15, 2016
Location: Baton Rouge, LA
Hours of Instruction: 67


National Highway Institute
Certificate of Training
JEFFREY GAZAREK
FHWA-NHI-130053 Bridge Inspection Refresher Training
LA DOTD/LTRC
Date: May 12-14, 2020
Location: Web-Conference Course
Hours of Instruction: 18

20. CERTIFICATIONS/LICENSES - MOFFATT & NICHOL, INC.

1. TRAFFIC CONTROL SUPERVISOR

LOUISIANA ASSOCIATED GENERAL CONTRACTORS, INC.
666 North Street – Baton Rouge, LA 70802
Phone: 225/344-0432 * Fax: 225/344-0458
www.lagc.org

September 9, 2021

To Whom It May Concern,

This is to verify that the below listed employee of Moffatt & Nichol has successfully completed LADOTD required ATSSA Traffic Control Training.

ATSSA Traffic Control Supervisor Refresher Training – September 8, 2021 – Chase Hulon

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

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

Best Regards,

Michael Demouy – LAGC Manager

2. LADOTD MOVABLE BRIDGE INSPECTION WORKSHOP

n/a

20. CERTIFICATIONS/LICENSES - MOFFATT & NICHOL, INC.

3. FHWA/NHI FRACTURE CRITICAL INSPECTOR COURSE

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

CHACE HULON

has participated in

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

hosted by

LA DOTD/LTRC

Date: February 26 – March 1, 2019 Hours of Instruction: 25
Location: Baton Rouge, LA

Instructor
Instructor
Local Coordinator
Michael Davies, Director
National Highway Institute

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

MATTHEW BALZARINI

has participated in

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

hosted by

LA DOTD/LTRC

Date: February 26 – March 1, 2019 Hours of Instruction: 25
Location: Baton Rouge, LA

Instructor
Instructor
Local Coordinator
Michael Davies, Director
National Highway Institute

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

JOSHUA MARTINEZ

has participated in

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

hosted by

LA DOTD/LTRC

Date: February 26 – March 1, 2019 Hours of Instruction: 25
Location: Baton Rouge, LA

Instructor
Instructor
Local Coordinator
Michael Davies, Director
National Highway Institute

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

CHARLES BALZARINI

has participated in

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

hosted by

LA DOTD/LTRC

Date: February 26 – March 1, 2019 Hours of Instruction: 25
Location: Baton Rouge, LA

Instructor
Instructor
Local Coordinator
Michael Davies, Director
National Highway Institute

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

Steven Armstrong

has participated in

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

hosted by

Kentucky Transportation Cabinet

Date: March 10-13, 2020 Hours of Instruction: 25
Location: Frankfort, KY

Instructor
Instructor
Local Coordinator
Michael Davies, P.E.
Director, National Highway Institute

4. SPRAT TRAINING (ROPE ACCESS)

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

CHACE HULON

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level II Rope Access Technician

SPRAT #070712

AWARDED: October 28, 2017
Expires: October 28, 2020

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

JOSHUA MARTINEZ

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level I Rope Access Technician

SPRAT #172094

AWARDED: December 01, 2017
Expires: December 1, 2020

CHARLEY RASKIN, EVALUATIONS COMMITTEE CHAIR

WILLIAM McCOOK (TROLL), SPRAT PRESIDENT

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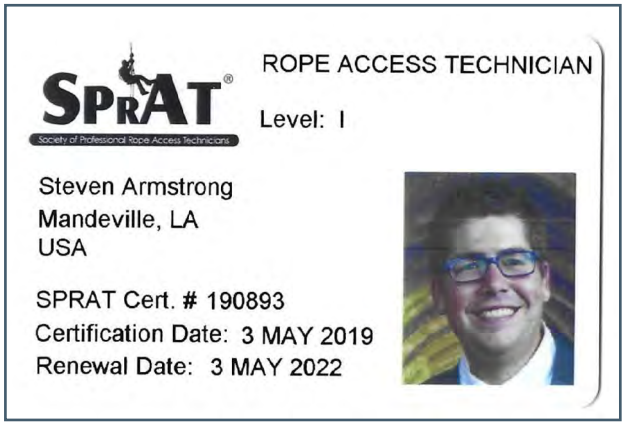

SPRAT

Society of Professional Rope Access Technicians

ROPE ACCESS TECHNICIAN

Level: I

Steven Armstrong
Mandeville, LA
USA

SPRAT Cert. # 190893
Certification Date: 3 MAY 2019
Renewal Date: 3 MAY 2022

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

MIKE RUSSELL

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level III Rope Access Technician

SPRAT #150926

AWARDED: November 16, 2018
Expires: November 16, 2021

ROBERT DUNSHEA, EVALUATIONS COMMITTEE CHAIR

WILLIAM McCOOK (TROLL), SPRAT PRESIDENT

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

JEFFREY GAZAREK

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level I Rope Access Technician

SPRAT #171888

AWARDED: October 27, 2017
Expires: October 27, 2020

SPRAT

Society of Professional Rope Access Technicians

ROPE ACCESS TECHNICIAN

Level: I

Christopher Allen Eschenbach

Baton Rouge, LA
USA

SPRAT Cert. # 200515
Certification Date: 7 MAR 2020
Renewal Date: 7 MAR 2023

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

CHARLES BALZARINI

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level I Rope Access Technician

SPRAT #190894

AWARDED: May 03, 2019
Expires: May 3, 2022

ROBERT DUNSHEA, EVALUATIONS COMMITTEE CHAIR

WILLIAM McCOOK (TROLL), SPRAT PRESIDENT

©2012 - Present, Society of Professional Rope Access Technicians

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

MATTHEW BALZARINI

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level I Rope Access Technician

SPRAT #190895

AWARDED: May 03, 2019
Expires: May 3, 2022

ROBERT DUNSHEA, EVALUATIONS COMMITTEE CHAIR

WILLIAM McCOOK (TROLL), SPRAT PRESIDENT

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ADDITIONAL CERTIFICATES/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. Chace Mikel Hulon

License/Certificate Type - Number	Expiration Date
PE.0039701	09/30/2023

Status: Active

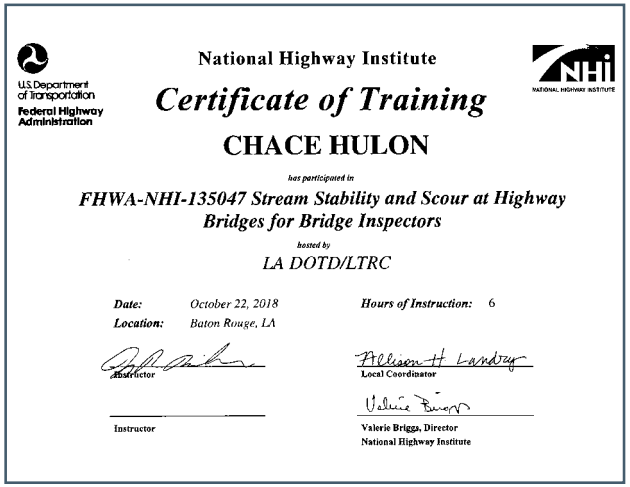

National Highway Institute
Certificate of Training
Chace Hulon
has participated in
FHWA-NHI-130091B Underwater Bridge Repair, Rehabilitation, and Countermeasures
hosted by
Texas Department of Transportation
Date: July 17 -18, 2018 *Hours of Instruction:* 14
Location: Fort Worth, TX
Instructor
Local Coordinator
Instructor
Valerie Briggs, Director
National Highway Institute


Association of Diving Contractors International
Cert. # 62023
Expires 11/18/2025
ADCI
SURFACE-SUPPLIED AIR DIVER
STEVEN ARMSTRONG I.D. 4740
Commercial Diver Certification Card


CERTIFICATE OF COMPLETION
This certificate is awarded to
CHACE HULON
For completion of the following course
MARINE ENGINEERING SONAR COURSE - LEVEL ONE
Presented by
STS
SONAR TRAINING SOLUTIONS
Given on 11-14 June, 2018, in Traverse City, MI.
Total Contact Hours for this course: 32 Hours
Instructor/Member of Sonar Training Solutions, LLC
15 June, 2018
Date


THE FACULTY AND STAFF OF
MINNESOTA COMMERCIAL DIVER TRAINING CENTER
HEREBY ACKNOWLEDGES THAT
CHARLES G. BALZARINI
HAS SATISFACTORILY COMPLETED THE REQUIREMENTS FOR THE
ADCI ENTRY LEVEL TENDER/DIVER
&
DCBC INTERNATIONAL RESTRICTED SURFACE SUPPLIED DIVER CERTIFICATIONS
AND IS HEREBY ADMITTED THE RIGHTS AND PRIVILEGES BELONGING TO THAT TRAINING AND ACHIEVEMENT.
MAY 14TH 2016
DIRECTOR OF EDUCATION
EXECUTIVE DIRECTOR
PRESIDENT


FAA Aviation Safety
Certificate of Achievement
This is to certify that
Steven Blake Armstrong
has successfully completed the
FAA Safety Team Aviation Learning Center Online Course
Part 107 Small Uas Recurrent
Course Number ALC-677
Presented by Online Courses
September 9, 2021
Certificate Number 1231957-20210909-00677


National Highway Institute
U.S. Department of Transportation
Federal Highway Administration
Certificate of Training
CHACE HULON
has participated in
FHWA-NHI-135047 Stream Stability and Scour at Highway Bridges for Bridge Inspectors
hosted by
LA DOTD/LTRC
Date: October 22, 2018 *Hours of Instruction:* 6
Location: Baton Rouge, LA
Instructor
Local Coordinator
Instructor
Valerie Briggs, Director
National Highway Institute


National Highway Institute
U.S. Department of Transportation
Federal Highway Administration
Certificate of Training
STEVEN ARMSTRONG
has participated in
FHWA-NHI-135047 Stream Stability and Scour at Highway Bridges for Bridge Inspectors
hosted by
LA DOTD/LTRC
Date: October 22, 2018 *Hours of Instruction:* 6
Location: Baton Rouge, LA
Instructor
Local Coordinator
Instructor
Valerie Briggs, Director
National Highway Institute

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

NHI

Certificate of Training

Steven Armstrong

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

Terracon Consultants, Inc.

Date: December 6-9, 2016
Location: Cincinnati, OH
Hours of Instruction: 24

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

Association of Diving Contractors International

Cert. # 57633

Expires 04/09/2023

ADCI

SURFACE-SUPPLIED AIR DIVER

CHRISTOPHER ESCHENBACH I.D. 4036

Commercial Diver Certification Card

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

Mr. Steven Blake Armstrong

License/Certificate Type - Number	Expiration Date
PE.0044405	09/30/2022

Status: Active

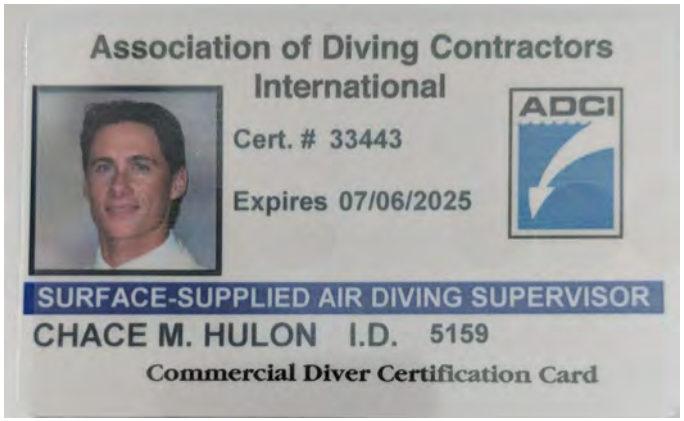
I UNITED STATES OF AMERICA XI
DEPARTMENT OF TRANSPORTATION ▪ FEDERAL AVIATION ADMINISTRATION
IV NAME
MICHAEL PAUL RUSSELL
V ADDRESS 379 BOICEVILLE RD
BROOKTONDALE NY 14817-9569

VI NATIONALITY USA	SEX	HEIGHT	WEIGHT	HAIR	EYES
IVa D.O.B. 10 APR 1989	M	72	180	BROWN	BROWN

IX HAS BEEN FOUND TO BE PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF
II REMOTE PILOT
III CERTIFICATE NUMBER 3985644
X DATE OF ISSUE 27 MAR 2017

XIV
VIII ADMINISTRATOR

U S A



Association of Diving Contractors International

Cert. # 33443

Expires 07/06/2025

ADCI

SURFACE-SUPPLIED AIR DIVING SUPERVISOR

CHACE M. HULON I.D. 5159

Commercial Diver Certification Card

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 Lloyd Martinez

License/Certificate Type - Number	Expiration Date
PE.0042085	03/31/2022

Status: Active

I UNITED STATES OF AMERICA XI
DEPARTMENT OF TRANSPORTATION ▪ FEDERAL AVIATION ADMINISTRATION
IV NAME
STEVEN BLAKE ARMSTRONG
V ADDRESS 3004 CANAAN PL
MANDEVILLE LA 70448-6300

VI NATIONALITY USA	SEX	HEIGHT	WEIGHT	HAIR	EYES
IVa D.O.B. 13 NOV 1990	M	60	215	BROWN	BROWN

IX HAS BEEN FOUND TO BE PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF
II REMOTE PILOT
III CERTIFICATE NUMBER 4162104
X DATE OF ISSUE 6 AUG 2019

XIV
VIII ACTING ADMINISTRATOR

U S A

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 Lloyd Martinez

License/Certificate Type - Number	Expiration Date
PE.0042085	03/31/2022

Status: Active

20. CERTIFICATIONS/LICENSES - TRC ENGINEERS

NHI/FHWA CERTIFIED TEAM LEADER

National Highway Institute

Certificate of Training

Durk Krone

has participated in

NHI Course No. 130053 -
Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: February 15-17, 2011 *Hours of Instruction:* 18

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Michael D. Schrepfer

has satisfactorily completed training in

Safety Inspection of In-Service Bridges

conducted by

Baker Engineers

Location: Austin, Texas *Hours of instruction:* 80

Date: March 21 - April 1, 1994 *Continuing Education Units:* 6.0

Instructor

Director, National Highway Institute

Coordinator

Federal Highway Administrator

National Highway Institute

Certificate of Training

Mark Castay

has participated in

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

hosted by

Texas Department of Transportation

Date: April 18-29, 2016 *Hours of Instruction:* 67

Location: San Antonio, TX

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

National Highway Institute

Certificate of Training

Durk H. Krone, P.E.

has satisfactorily completed training in

Safety Inspection of In-Service Bridges

NHI Course No. 13055

conducted by

Michael Baker Jr., Inc.

Location: Virginia Department of Transportation, Richmond, Virginia *Hours of instruction:* 80

Date: May 10-21, 1999 *Continuing Education Units:* 6.0

Instructor

Director
National Highway Institute

Coordinator

Federal Highway Administrator

National Highway Institute

Certificate of Training

MICHAEL SCHREPFER

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: January 7-9, 2019 *Hours of Instruction:* 18

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Director
National Highway Institute

National Highway Institute

Certificate of Training

Mark Castay

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Texas Department of Transportation

Date: December 8 - 11, 2020 *Hours of Instruction:* 18

Location: Virtual Delivery, TX

Instructor

Instructor

Shandon Richardson
Local Coordinator

Thomas Harman, Director
National Highway Institute

National Highway Institute

Certificate of Training

Michael D. Paul

has satisfactorily completed training in

Safety Inspection of In-Service Bridges

Hosted by

Texas Department of Transportation

Location: Austin, TX *Hours of Instruction:* 72

Date: February 5-16, 2007 *Continuing Education Units:* 6.0

Director
National Highway Institute

Director, Office of Professional Development
Federal Highway Administration

20. CERTIFICATIONS/LICENSES - TRC ENGINEERS

1. TRAFFIC CONTROL SUPERVISOR

2. LADOTD MOVABLE BRIDGE INSPECTION WORKSHOP

20. CERTIFICATIONS/LICENSES - TRC ENGINEERS

3. FHWA/NHI FRACTURE CRITICAL INSPECTOR COURSE

National Highway Institute

Certificate of Training

Michael Schrepfer

has participated in

Fracture Critical Inspection Techniques for Steel Bridges

hosted by

LA DOTD/LTRC

Date: April 27-30, 2009 *Hours of Instruction:* 21

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Michael Paul

has participated in

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

hosted by

LA DOTD/LTRC

Date: August 11-14, 2015 *Hours of Instruction:* 25

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

National Highway Institute

Certificate of Training

Durk H. Krone, P.E.

has participated in

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

hosted by

ALABAMA DEPARTMENT OF TRANSPORTATION

Date: August 14 -17, 2007 *Hours of Instruction:* 18

Location: Mobile, Alabama

Instructor

Instructor

Local Coordinator

Joseph S. Toole, Associate Administrator
Office of Professional and Corporate Development

4. SPRAT TRAINING (ROPE ACCESS)

n/a

20. CERTIFICATIONS/LICENSES - TRC ENGINEERS

ADDITIONAL CERTIFICATIONS/LICENSES

National Highway Institute

Certificate of Training

DURK KRONE

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

LA DOTD/LTRC

Date: March 27-31, 2017 *Hours of Instruction:* 30

Location: Baton Rouge, LA

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

Certificate of Attendance

Mark Castay

has participated in

AASHTOWare Bridge Rating Fundamentals Training

hosted by

LA DOTD/LTRC

Date: July 11th-12th, 2017 *Professional Development Hours (PDH's) Awarded:* 12

Location: Baton Rouge, Louisiana

Herman Lee, P.E., PMP, Michael Baker International — *Michael S. Pickett, P.E., Michael Baker International*

National Highway Institute

Certificate of Training

MICHAEL SCHREPFER

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

LA DOTD/LTRC

Date: March 27-31, 2017 *Hours of Instruction:* 30

Location: Baton Rouge, LA

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

National Highway Institute

Certificate of Training

MARK CASTAY

has participated in

FHWA-NHI-132082

LRFD for Highway Bridge Substructures

hosted by

LA DOTD/LTRC

Date: February 20-23, 2017 *Hours of Instruction:* 28

Location: Baton Rouge, LA

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

20. CERTIFICATIONS/LICENSES - FORTE & TABLADA

NHI/FHWA CERTIFIED TEAM LEADER

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

LEVI YANTIS

has Successfully Completed

FHWA-NHI-130053
Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: January 11-13, 2022 Hours of Instruction: 18
Location: Baton Rouge, LA

Instructor — Local Coordinator
Instructor — Thomas Harman, Director, National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

JOFFREY EASLEY

has Successfully Completed

FHWA-NHI-130053
Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: January 11-13, 2022 Hours of Instruction: 18
Location: Baton Rouge, LA

Instructor — Local Coordinator
Instructor — Thomas Harman, Director, National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

LEVI YANTIS

has participated in

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

hosted by

LA DOTD/LTRC

Date: December 4-15, 2017 Hours of Instruction: 67
Location: Baton Rouge, LA

Instructor — Local Coordinator
Instructor — Valerie Briggs, Director, National Highway Institute

1. TRAFFIC CONTROL SUPERVISOR

n/a

20. CERTIFICATIONS/LICENSES - FORTE & TABLADA

2. LADOTD MOVABLE BRIDGE INSPECTION WORKSHOP

n/a

3. FHWA/NHI FRACTURE CRITICAL INSPECTOR COURSE

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

LEVI YANTIS

has participated in

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

hosted by

LA DOTD/LTRC

Date: *February 26 – March 1, 2019* *Hours of Instruction:* 25
Location: *Baton Rouge, LA*

Instructor
Local Coordinator
Instructor
Michael Davies, Director
National Highway Institute

4. SPRAT TRAINING (ROPE ACCESS)

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

LEVI YANTIS

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level 1 Rope Access Technician

SPRAT #2100328
AWARDED: February 26, 2021
Expires: February 26, 2024

TROLL , EVALUATIONS COMMITTEE CHAIR
TOM WOOD, SPRAT PRESIDENT

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20. CERTIFICATIONS/LICENSES - FORTE & TABLADA

ADDITIONAL CERTIFICATIONS/LICENSES

National Highway Institute

Certificate of Training

Levi Yantis

has participated in

NHI Course No. FHWA-NHI-130107C

Maintenance of Movable Bridges

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *4 hours*

Date: *2/15/2020*

Michael Davies, P.E.
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. Joffrey Elliott Easley

License/Certificate Type - Number
PE.0031542

Expiration Date
03/31/2023

Status: Active

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

Mr. Levi Ethan Yantis

License/Certificate Type - Number
PE.0042390

Expiration Date
09/30/2022

Status: Active

20. CERTIFICATIONS/LICENSES - MODJESKI AND MASTERS

NHI/FHWA CERTIFIED TEAM LEADER

National Highway Institute

Certificate of Training

Joshua J. Moore, P.E.

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Texas Department of Transportation

Date: *December 11-13, 2018* ***Hours of Instruction:*** *18*

Location: *Austin, TX*

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

National Highway Institute

Certificate of Training

Michael Januszkiewicz

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

AECOM

Date: *June 26-28, 2018* ***Hours of Instruction:*** 18

Location: *Raleigh, NC*

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

National Highway Institute

Certificate of Training

ANTHONY SCHOENECKER

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: *January 7-9, 2019* *Hours of Instruction:* 18

Location: *Baton Rouge, LA*

Instructor — Local Coordinator

Instructor — Michael Davies, Director, National Highway Institute

National Highway Institute

Certificate of Training

Scott Gordon

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Office of State Aid Road Construction

Date: *July 31-August 02, 2018* ***Hours of Instruction:*** 18

Location: *Ridgeland, MS*

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

20. CERTIFICATIONS/LICENSES - MODJESKI AND MASTERS

1. TRAFFIC CONTROL SUPERVISOR

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Scott Gordon
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

5/10/2021 to 5/10/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA

2. LADOTD MOVABLE BRIDGE INSPECTION WORKSHOP

n/a

3. FHWA/NHI FRACTURE CRITICAL INSPECTOR COURSE

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI

Certificate of Training

ANTHONY SCHOENECKER

has participated in

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

hosted by

LA DOTD/LTRC

Date: June 20-23, 2017
Hours of Instruction: 25
Location: Baton Rouge, LA

Instructor
Local Coordinator
Instructor
Valerie Briggs, Director
National Highway Institute

4. SPRAT TRAINING (ROPE ACCESS)

SPRAT
Society of Professional Rope Access Technicians

June 18, 2019

Anthony Eric Schoenecker
1055 St Charles Ave. Suite 400
New Orleans, LA 70130
USA

Dear Anthony Eric:

Congratulations! You have successfully completed certification testing for Level III Rope Access Technician and are hereby awarded the enclosed certificate. Please note that you are required to adhere to the Society's consensus safety standard, ***Safe Practices for Rope Access Work*** - most recent edition.

Once again, congratulations! Be sure to contact the Society 90 days prior to the expiration of this certification to arrange for re-certification testing.

Sincerely,

Robert Dunshea, Evaluations Committee Chair

William McCook (Troll), SPRAT President

SPRAT ROPE ACCESS TECHNICIAN
Level: III

Anthony Eric Schoenecker
New Orleans, LA
USA

SPRAT Cert. # 150591
Certification Date: 18 MAY 2019
Renewal Date: 18 MAY 2022

Society of Professional Rope Access Technicians
994 Old Eagle School Road, Suite 1019, Wayne, PA 19087-1866
610-971-4850 (phone) 610-971-4859 (fax)
info@sprat.org https://sprat.org

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

JOSHUA MOORE

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level 3 Rope Access Technician

SPRAT #150589
AWARDED: July 18, 2020
Expires: July 18, 2023

ROBERT DUNSHEA, EVALUATIONS COMMITTEE CHAIR

TROLL , SPRAT PRESIDENT

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SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

ANTHONY ERIC SCHOENECKER

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level III Rope Access Technician

SPRAT #150591
AWARDED: May 18, 2019
Expires: May 18, 2022

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

MICHAEL JANUSZKIEWICZ

has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level III Rope Access Technician

SPRAT #140855
AWARDED: July 21, 2017
Expires: July 21, 2020

CHARLEY RANKIN, EVALUATIONS COMMITTEE CHAIR

WILLIAM McCOOK (TROLL), SPRAT PRESIDENT

ADDITIONAL CERTIFICATIONS/LICENSES

ATSSA

Dear Certified Flagger:

Enclosed, please find your card signifying you as an ATSSA Certified Flagger. This card should be carried and presented to employers while performing work on our nation's roadways. Please be aware that the card is not valid without a Photo I.D.

We commend you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the leader in roadway safety and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any errors or changes in your name or address so we may keep our records up to date.

Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at www.atssa.com for additional training courses and work zone safety products.

Sincerely,

Director of Training

Laminating the front of your card with Dual Laminate:

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

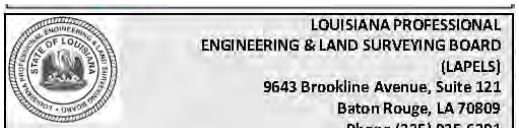
This is to affirm that

Scott Gordon

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

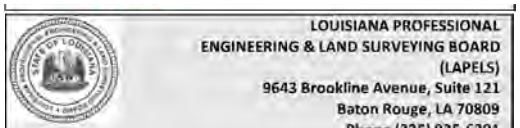
American Traffic Safety Services Association
15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22406-1077
Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com



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 Joseph Moore

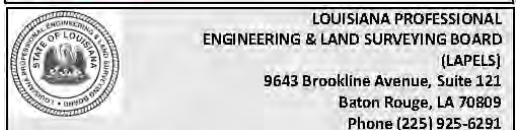
License/Certificate Type - Number: PE.0036342
Expiration Date: 09/30/2023
Status: Active



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

Mr. Anthony Eric Schoenecker

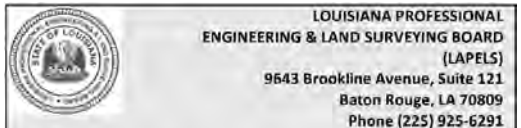
License/Certificate Type - Number: PE.0035786
Expiration Date: 03/31/2023
Status: Active



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

Mr. Geoffrey Lawrence Forest

License/Certificate Type - Number: PE.0045721
Expiration Date: 09/30/2023
Status: Active



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

Mr. Jonathan Edward Gerhart

License/Certificate Type - Number: PE.0043052
Expiration Date: 03/31/2023
Status: Active

NACE INTERNATIONAL INSTITUTE

Certificate of Achievement

The NACE International Institute Recognizes

Scott C Gordon

As a Certified

NACE Certified Coating Inspector - Level 3

Expires
May 31, 2024

Cert No.8115

143256

SSPC The Society For Protective Coatings

ACCREDITED IACET PROVIDER

IACET Provider # 1003373
Florida Board of Professional Engineers, Provider #0004326
New York Board of Professional Engineers

CERTIFICATE OF COMPLETION

Scott C. Gordon
ID # 1315484
Has fulfilled the requirements of SSPC: The Society for Protective Coatings'

LEAD PAINT REMOVAL REFRESHER (C5)
Supervisor/Competent Person Training for Deleading of Industrial Structures

And is awarded
0.8 Continuing Education Units

Course Date(s): 7/11/2021-7/11/2021

Location: Kenner, Louisiana United States

Instructor(s): 1283130 Sonya Peters, PCS

SSPC President

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Section 21:
QA/QC Plan

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Section 22:
Subconsultant Information

22. SUB-CONSULTANT INFORMATION

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Moffatt & Nichol, Inc.	One American Place 301 Main Street, Suite 800 Baton Rouge, LA 70801	Chace Hulon, PE chulon@moffattnichol.com	(225) 610-1932
TRC Engineers, Inc.	Two United Plaza 8550 United Plaza Boulevard, Suite 502 Baton Rouge, LA 70809	Durk Krone, PE dkrone@trccompanies.com	(225) 229-2968
Forte & Tablada	9107 Interline Avenue Baton Rouge, LA 70809	Russell "Joey" Coco, Jr. jcoco@forteandtablada.com	(225) 927-9321
Modjeski and Masters	1055 St. Charles Ave., Suite 400 New Orleans, LA 70130	Ralph J. Eppehimer, PE rjeppehimer@ modjeski.com	(504) 524-4344
GOTECH, Inc.	8383 Bluebonnet Boulevard Baton Rouge, LA 70810	Rhaoul A. Guillaume, Sr., PE, F.ASCE rhaoul@gotech-inc.com	(225) 766-5358
KTA-Tator, Inc.	145 Enterprise Drive Pittsburgh, PA 15275	Greg R. Richards grichards@kta.com	(727) 526-7802 (office) (727) 453-9007 (cell)

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Location

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