IDIQ FOR BRIDGE INSPECTION SERVICES STATEWIDE

CONTRACT NOS. 4400023510, 4400023511, AND 4400023512

February 24, 2022

VOLKERT

Volkert, Inc.
Baton Rouge Office
7967 Office Park Boulevard
Baton Rouge, LA 70809 225.218.9440
www.volkert.com

February 24, 2022

Department of Transportation & Development
Attn: Darhlene Major
Consultant Contract Services Administrator
1201 Capitol Access Road, Room 405-BB
Baton Rouge, LA 70802

RE: IDIQ FOR BRIDGE INSPECTION SERVICES STATEWIDE
CONTRACT NOS. 4400023510, 4400023511, AND 4400023512

Dear Ms. Darhlene Major,

Volkert, Inc. is pleased to submit on the **IDIQ for Bridge Inspection Services Statewide.** As part of Volkert's commitment to providing the Louisiana Department of Transportation and Development (LADOTD) with a proven team to successfully deliver this statewide bridge inspection contract, Volkert has insured the availability of our experienced inspectors, divers, and additional staff.

Volkert is a nationally recognized bridge safety inspection firm providing over 40,000 inspections in the past 35 years including National Bridge Inspection Standards (NBIS) inspections, scour evaluations, and load ratings of selected bridge sites. Our team has extensive experience with quality control and quality assurance plans and procedures associated with state bridge inspection programs, minor or major, and Fracture Critical structures. Volkert has performed these types of inspections for ALDOT, FDOT, MDOT/OSARC, VDOT, GDOT, NCDOT, TDOT, LADOTD, TXDOT, SCDOT, IDOT, WYDOT, ODOT and numerous federal and local clients nationwide. Volkert's ability to integrate with and support a wide range of state bridge inspection programs means we are uniquely qualified to assist LADOTD perform bridge inspections, in any capacity, efficiently and effectively.

I will serve as Principal-in-Charge, and Aaron Immel, PE, CBI, CTI, CFM will serve as Project Manager. Mr. Immel holds a Louisiana PE and currently serves as Volkert's Bridge Inspection Manager where he oversees and leads inspection services for many of Volkert's large, long-term structures inspection contracts, such as with Eastern Federal Lands Highway Division (FHWA) (17 years), FDOT (35 years), LADOTD (over 17 years), Mobile County, Alabama (28 years), and American Roads (11 years).

For this contract, Volkert will serve as the Prime Consultant and will augment our team with Collins Engineers, Inc., Huval & Associates, and KPFF.

The following subconsultants have been selected as part of the Volkert team:

- Collins Engineers, Inc. will provide Bridge and Underwater Inspection and Have the Certified Inspector for Assessment of Coating System, as well as provide SPRAT rope access inspectors.
- Huval & Associates, Inc. will provide Movable Bridge Inspections and Design as Needed.
- KPFF will provide Cable Stay Bridge Inspections.

I am authorized to bind the company under this contract and I look forward to discussing this opportunity in greater detail; you can reach me at the contact information below with any comments or questions.

Respectfully submitted,
Volkert, Inc.

Janet L. Evans, PE, MBA
Vice President of Louisiana Operations

Contact Information:

Authorized Representative
Janet L. Evans, PE, MBA
jan.evans@volkert.com
(225) 270-1454 (c)

Delivering the future of infrastructure

VOLKERT

DOTD FORM: 24-102

(Revised June 1, 2021)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	IDIQ FOR BRIDGE INSPECTION SERVICES STATEWIDE
2. Contract number(s) as shown in the advertisement	4400023510, 4400023511 and 4400023512
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	**VOLKERT, INC.**
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	Louisiana License: EF.0002500
6. Prime consultant mailing address	7967 Office Park Boulevard Baton Rouge, Louisiana 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	7967 Office Park Boulevard Baton Rouge, Louisiana 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Janet L. Evans, PE, Vice President 225-218-9440; Jan.evans@volkert.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Janet L. Evans, PE, Vice President 225-218-9440; Jan.evans@volkert.com
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the	

designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	Signature (shall be the same person as #9):  _____ Date: 2-24-22
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Firm(s)' %: N/A

SECTION 12 - Past Performance Evaluation Discipline Table

VOLKERT

12. **Past Performance Evaluation Discipline Table:**

As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for **each past performance evaluation discipline**, as well as the overall total percent of the contract.

The past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other

Past Performance Rating Categories**	% of Overall Contract	VOLKERT	COLLINS ENGINEERS	HUVAL	kpff Consulting Engineers
Bridge	100%	55%	20%	20%	5%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	100%	55%	20%	20%	5%

SECTION 13 - Firm Size

13. **Firm Size:**

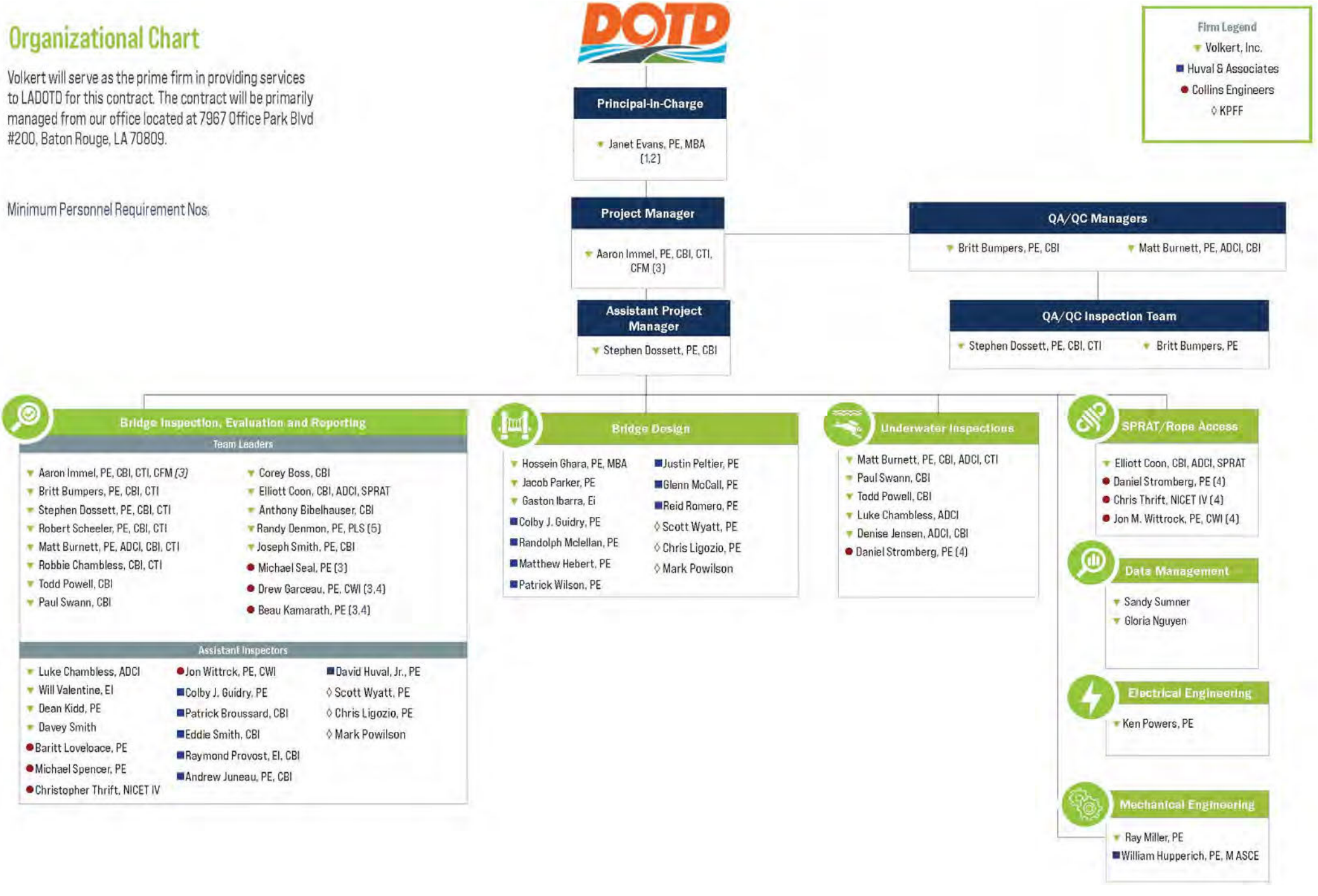
For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (xxxx)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Volkert, Inc.	Principal	1	37
Volkert, Inc.	Supervisor-Engr	5	39
Volkert, Inc.	Engineer	7	94
Volkert, Inc.	Engineer-Intern	2	2
Volkert, Inc.	Inspector-Bridge	9	1
Volkert, Inc.	Surveyor	1	38
Collins Engineering, Inc.	Principal	1	4
Collins Engineering, Inc.	Supervisor-Engr	2	9
Collins Engineering, Inc.	Engineer	4	34
Collins Engineering, Inc.	Senior Technician	1	3
Huval & Associates, Inc.	Principal	1	3
Huval & Associates, Inc.	Engineer	4	21
Huval & Associates, Inc.	Engineer Intern	1	4
Huval & Associates, Inc.	CADD Drafter	1	3
Huval & Associates, Inc.	CADD Operator	1	3
Huval & Associates, Inc.	Inspector - Bridge	4	6
KPFF Consulting Engineers	Principal	1	2
KPFF Consulting Engineers	Engineer-Other	2	6
KPFF Consulting Engineers	Inspector-Bridge	2	6
KPFF Consulting Engineers	Inspector	2	4

SECTION 14 - Organizational Chart

14. ORGANIZATIONAL CHART:

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



SECTION 15 - Minimum Personnel Requirements

VOLKERT

15. **Minimum Personnel Requirements:**

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR.

MPR No. Do not insert wording from ad	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 & number	State of license	License / certification expiration date
1	Janet L. Evans, PE, MBA	VOLKERT	PE #21307	LA	09/30/2022
2	Janet L. Evans, PE, MBA	VOLKERT	PE #21307	LA	09/30/2022
3	Aaron Immel, PE, CFM, CBI, CTI	VOLKERT	PE #29153	LA	03/31/2023
3	Michael Seal, PE	COLLINS ENGINEERS			
3	Drew Garceau, PE, CWI		PE #46395	LA	9/30/2022
3	Beau Kamarth, PE		PE #46494	LA	9/30/2022
			PE #46453	LA	9/30/2022
4	Dan Stromberg, PE, SE	COLLINS ENGINEERS	PE #36176	LA	9/30/2022
5	Randy Denmon, PE, PLS	VOLKERT	PE #29390	LA	03/31/2023
			PLS #4798		03/31/2023

SECTION 16 - Staff Experience

- Volkert, Inc.
- Collins Engineering, Inc.
- Huval & Associates, Inc
- KPFF Consulting Engineers

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Janet L. Evans, PE, MBA			Years of relevant experience with this employer	13
Title	Principal-in-Charge			Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization			MBA / 1986 / Business Administration BS / 1980 / Civil Engineering		
Active registration number / state / expiration date			21307 / LA / 09/30/2022		
Year registered	1984	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Principal-in-Charge overseeing all inspection, design, and construction activities for the duration of the project. Ms. Evans meets minimum personnel requirements 1 and 2.		

Experience dates (1980-2022)	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).
38 years of experience	Ms. Evans joined Volkert in 2008 and has over 38 years of roadway and bridge project management and design experience in design and construction of transportation projects. Her combination of construction and design experience has been utilized by the department in various alternative delivery projects including the development of draft CMAR guidelines and the development of a design build construction manual. She has renewed her ATSSA Traffic Control Supervisor, Technician and Flagger certifications recently. Ms. Evans experience from both the construction side and the design side allow her to provide insight which aids in the resolution of issues in alternative delivery projects. She has numerous years of experience serving as a principal on alternative LADOTD projects and is currently providing Construction Quality Assurance on several urban roadway and bridge replacement projects in the area.
08/17 - 07/20 Est.	**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LA DOTD)** | Ms. Evans is serving as Principal-in-Charge for the Owner Verification Team (OVT) on Task Orders 3 & 4 which allows Volkert to provide procurement and project oversight and acceptance for both design and construction for the I-10 Design-Build project from High-land Road in East Baton Rouge Parish to LA 73 in Ascension Parish. She is responsible for all project oversight for the Design and Construction on this $72M Design-Build project. This project consists of upgrading a portion of I-10 in East Baton Rouge and Ascension Parish to a six-lane controlled access facility including construction of a new six-lane I-10 overpass at Highland Road. | State Contract No. 4400004915 TO 3 & 4, S.P. No. H.009250
04/18 - 04/19	**I-220 to Barksdale AFB Connector Design-Build Procurement, Bossier Parish, LA (LA DOTD)** | Ms. Evans served as Principal-in-Charge for Volkert's team as they completed preliminary construction cost estimates and reviewed preliminary engineering layouts from LA DOTD to help assess impacts, constructability

	design issues. She also helped produce the Performance Specifications, worked with LA DOTD staff in each category for project specific design issues to be addressed. She also assisted in the preparation of the Public Information Meetings and the One-on-One meetings with the shortlisted Design-Build teams for this $71.8 M Design-Build project. | State Contract No. 4400004915 TO 5, S.P. No. H.003370
05/19 - 12/21 Est.	**I-220/I-20 Interchange Improvements to BAFB Access Design-Build, Bossier Parish, LA (LA DOTD)** | Ms. Evans is serving as Principal-in-Charge for Volkert's team. She is responsible for all project oversight for the Design and Construction on this$71.8M Design-Build project. The I-220/I-20 Interchange Improvement and BAFB Access project in Bossier Parish consists of the extension of I-220 to the south over I-20 as a limited access 4-lane arterial to a new terminus on Barksdale Air Force Base (BAFB) and includes construction of four interchange ramps providing interchange connectivity for the new access road. The project includes the construction of two sets of bridge structures, one set for the I-20 over pass and the second set for the over-pass of the KCS RR. The project terminus will tie to a BAFB roadway project creating a new access location for the base. | State Contract No. 4400016173, S.P. No. H.003370.6
09/14 - 09/19	**Retainer Contract for Design-Build and Other Alternative Delivery Support Services, Statewide, LA (LA DOTD**) | Ms. Evans is serving as project engineer and specification engineer on completed Task Orders 1 - 2. Although this work was done in connection with another firm, the Volkert staff, with the construction background, provided the majority of the write ups including the development of the contract type selection matrix, guidelines and procedures for scoring methodology, fee determination for CMAR contractors for pre-construction services, and guidelines for awarding CMAR construction contracts including GMP, negotiations, contractor fee or margins on construction contract and the development and tracking of Hot Points for Discussion with stakeholders. | State Contract No. 4400004915 TOs 1 & 2, S.P. No. H.009250
12/17 - 12/20 Est.	**Causeway Safety Bay Design, Jefferson, and St. Tammany Parishes, LA (Greater New Orleans Expressway Commission)** | Volkert was selected to design essential and long-awaited shoulder additions. The bridge shoulders, comprising 12 "safety bays," will provide a safe space for disabled vehicles to pull over out of traffic. They will also increase safety for motorists and emergency personnel in the event of a crash. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Aaron Immel, PE, CFM, CBI, CTI			Years of relevant experience with this employer	27
Title	Project Manager / Certified Diver			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 1994 / Civil Engineering (emphasis on Structures)		
Active registration number / state / expiration date			29153 / LA / 03/31/2023		
Year registered	2000	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Professional civil engineer, registered in the state of Louisiana, and will be responsible for managing bridge design and inspection of bridge structures. Mr. Immel meets minimum personnel requirement 3.		

Experience dates (mm/yy–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).
27 years of experience	Mr. Immel has 27 years of structural engineering and NBIS bridge inspection experience, including for LADOTD, FDOT, TxDOT, TDOT, ODOT, SCDOT, MDOT, OSARC, ALDOT, NASA, and FHWA-EFLHD. His expertise includes the inspection of most bridge types including truss, post-tensioned box girder, and moveable bridges; element level bridge inspections; underwater inspections; the inspection of fatigue-prone details and fracture-critical members; load ratings; and all levels of scour evaluations. Mr. Immel has traveled around the country investigating and analyzing a broad variety of structural configurations. Since 2005, Mr. Immel has served as the Bridge Inspection Manager for the Gulf Region. He allocates appropriate personnel and resources to each location to facilitate prompt delivery of quality inspections and reports. Currently, he is responsible for the design and supervision of personnel in the completion of bridge inspection and structural engineering projects, including non-destructive evaluations, and scour evaluations.
07/05-02/22 est.	**Principal-in-Charge/Project Manager, Dive Team Leader and Underwater Inspector for Nationwide Bridge Inspection Services for the Eastern Federal Lands Highway Division (EFLHD) of FHWA.** Volkert has been selected for three consecutive cycles, beginning in 2005, by the EFLHD to provide NBIS and element level inspections for National Park Service (NPS) structures and other federal agencies. This is an IDIQ contract assigned by individual task orders to identify structural or functional deficiencies and make recommendations and cost estimates for repairs. These facilities include national parks, battlefields, monuments, historic sites, parkways, and other federal facilities. For each task order, Volkert is responsible for providing routine, interim, or initial inspections of structures including culverts, tunnels, retaining walls, and bridges comprised of concrete, masonry, timber, and steel – including the fracture critical and fatigue prone details.
08/13-08/21	**Principal-in-Charge for Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction (OSARC).** Volkert was the prime consultant on these contracts which consisted

	of performing NBIS inspections and load ratings on complex bridges with various superstructure types which include; simple steel girders, continuous steel plate girders, steel trusses, movable bridges, precast concrete spans, prestressed girders, reinforced concrete tee-beams, reinforced concrete slabs, timber stringers, and concrete culverts with numerous structures having fracture critical members. Also, AASHTO element level inspections were performed on bridges located on NHS routes. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and equipment required, traffic control requirements, inspection time, inspection personnel requirements, and railroad permit requirements including contact information and permit acquisition procedure. The inspections were performed on schedule; and the reports and load ratings were completed within the contract ending dates.
09/17-08/20	**Principal-in-Charge for Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction (OSARC).** Volkert is the prime consultant on this master agreement, which consists of performing NBIS safety inspections, performing load ratings, performing on-call repair inspections, and providing maintenance and repair recommendations on bridges with timber substructures and/or timber superstructures. For all bridges, a load rating was performed on the superstructure and substructure with posting and closure recommendations provided by the OSARC Critical Finding Process. The inspections were completed on schedule within the short time period provided, and the reports and load ratings were completed within the work assignment ending dates. Volkert has developed a good working relationship with the respective county engineers to keep them promptly informed of any critical issues that would require urgent attention by the counties.
08/20-Present	**Principal-in-Charge/Project Manager for FDOT District 6: District Wide In-Depth State Bridge Inspection.** Volkert is currently inspecting an estimated total of 287 bridges for FDOT District 6. Our inspection staff provides routine inspection for fixed and movable bridges, post rehabilitation inspections, in-service inspections, post repair inspections, underwater inspections, fracture critical, gusset plates in trusses, interim inspections and emergency inspections. Portions of this inventory include 59 underwater Inspections;15 mechanical and electrical; six concrete segmental and 24 fracture critical. All inspections are in accordance with national and state practices ensuring that all bridges are accurately load rated and posted, if necessary and properly maintained with no critical deficiencies.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Randy Denmon, PE, PLS			Years of relevant experience with this employer	0.5
Title	Surveying / Civil Engineering			Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization			MS / 1996 / Civil Engineering BS / 1991 / Mathematics		
Active registration number / state / expiration date			29390 / LA PE / 03/31/2023 112101 / LA PLS		
Year registered	1996 / 2001	Discipline	Civil / Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Professional land surveyor, registered in the state in Louisiana, will provide topographic survey services as needed. Mr. Denmon meets the minimum personnel requirement 4. .		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
25 years of experience	Mr. Denmon has over 25 years' experience in surveying and civil engineering for clients such as: La. Department of Transportation, and other State Agencies, Watershed and Lake Districts, the NRCS, and many local governments. Mr. Denmon has extensive experience with Trimble, Microstation and Bentley computer aided design software: and the LADOTD's Location and Survey Procedures for both topographic and right of way surveys.
09/15-6/20	**LADOTD Contract No. 4400005894 Retainer Contract for Safe Routes to Schools and Local Road Safety Program.** Work included topographic and boundary surveying for five safe route projects., Contract Cost: $223,000.
2/00-10/16	**Fink's Hide-A-Way Road, Ouachita Parish, SP No. 700-24-0087.** Engineer/Surveyor for Line & Grade Study, Preliminary and Final Design for widening approximately 3 miles of Urban Roadway to 5 lanes. Project Designed for two (2) phases. Approx. cost of construction $18,000,000. Eng. Contract. $1,600,000.
06/17-2/22	**LADOTD IDIQ Contract for Engineering and Inspection Services of State Regulated Dams Majority Of Work In Districts 04, 05, 08 And 58.** Work included Inspection and topographic surveying on LADOTD owned or regulated dams. Contract Value: $1,500,000.
03/09-12/11	**Oliver Road Widening and Overlay, S.P.N. 742-37-0019, F.A.P.N ARR-3709(504)**. Project Manager and surveyor. Construction Cost: $2,200,000. Mr. Denmon completed all surveying, drainage, and geometric design for this project, and oversaw the completion of all final plans, as well as Construction Engineering and Inspection utilizing the LADOTD's Site Manager Program. Contract Cost: $275,000.

2/00-11/04	**Route LA 818 and LA 150, SPN NO. 700-31-0110 Lincoln Parish.** Surveyor and Project Engineer, Construction Cost: Aprox. $2,200,000. Mr. Denmon worked on topographic and R-O-W surveying, drainage and geometric design for this project, and oversaw the completion of all final plans. Contract Cost: $660,000.

16. **Staff Experience:**

Firm employed by VOLKERT			
Name	Britt Bumpers, PE, CBI, CTI	Years of relevant experience with this employer	25
Title	Bridge Inspection / Civil Engineering	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BCE / 1996 / Civil Engineering	
Active registration number / state / expiration date		30046 / LA / 09/30/2022	
Year registered	2002	Discipline	Civil
Contract role(s) / brief description of responsibilities		Mr. Bumpers will perform bridge inspections for the duration of this project.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
25 years of experience	Mr. Bumpers joined Volkert in 1996 as a Civil Engineer responsible for the design of roadway and bridge projects. His experience includes design services for bridge replacements, feasibility studies, traffic analysis, and capacity analysis. In 2015, he joined the Bridge Inspection Department and will be responsible for assisting in performing topside bridge inspections, scour evaluations, review/development of the respective reports, and bridge load ratings. ▼ NHI Safety Inspection of In- Services Bridges ▼ NHI Tunnel Safety Inspection ▼ NHI Fracture Critical Inspection Techniques for Steel Bridge ▼ BrM/Element Inspection Refresher Course (ALDOT)
07/02-3/22 est.	**Nationwide Bridge Inspection Services (Eastern Federal Lands Highway Division (EFLHD) of FHWA).** Mr. Bumpers served as Team Leader/Tunnel Inspector and provided Load Rating Assessments. Volkert has been selected for three consecutive cycles, beginning 2005, by the Eastern Federal Lands Highway Division (EFLHD) of the Federal Highway Administration (FHWA) to provide National Bridge Inspection Standard (NBIS) and element level inspections for structures owned by the National Park Service (NPS) and other federal agencies. This is an IDIQ, with a $10M up-set limit over each 5-year cycle, assigned by individual task orders to identify structural or functional deficiencies, and make recommendations and cost estimates for repairs. For each task order, Volkert is responsible for providing routine, interim, or initial inspections of identified structures, then completing bridge and tunnel inspection reports. Under these contracts, Volkert has performed nearly 5,000 bridge inspections and over 900 load rating assessments in 45 states and Washington, DC including the entire length of the Blue Ridge Parkway and Natchez Trace Parkway.
07/02-12/21	**Structural Engineering and Inspection Services throughout Atlanta, Georgia (Metropolitan Atlanta Rapid Transit Authority (MARTA)).** Mr. Bumpers served as Team Leader/Tunnel Inspector and provided Load Rating Assessments. Volkert has been selected as the prime consultant for this task order-bases contract,

	which consists of providing MARTA with Structural Engineering & Inspection Services including 16 miles of heavy rail transit aerial structures, 37 tunnels, and vehicular bridges with various types of site access conditions and 14 aerial stations. MARTA oversees the heavy rail transit systems throughout Atlanta, Georgia. A breakdown of MARTA's aerial structures by superstructure type is as follows: 4.64 miles of steel box girders; 1.40 miles of steel plate girders; 0.06 miles of rolled shape steel; 1.5 miles of pre-cast segmental concrete box girders; 5 miles of cast-in- place concrete box girders; 3.23 miles of AASHTO concrete girders; 0.12 miles of concrete thru-girders; and 0.02 miles of concrete flat slab bridges. The aerial structures are over local streets, private property, creeks, and railroads. Volkert was also responsible for the initial element level inspection of 36 rail tunnels that accounted for approximately 9 miles of MARTA's transit rail system. These detailed, "hands on" inspections were performed during non-peak hours with coordinated track closures at nights and on weekends. Volkert's team produced detailed tunnel inspection plans and reports of their findings with recommendations of maintenance and rehabilitation needs.
08/13-Present	**Engineer & Bridge Inspector for Complex Bridge Inspection Consulting Engineering Contract, for the Mississippi Department of Transportation, Office of State Aid Road Construction (OSARC).** The project consists of NBIS inspections, scour evaluations, and load ratings of selected bridge sites. The bridges are owned and maintained by the various counties, cities, and towns throughout the state of Mississippi. These bridges include steel bridges with fracture critical members, specifically continuous plate girders, steel girders, railroad flat cars, and movable bridges. These bridges also include approach spans made of timber, precast concrete, or prestressed concrete beam spans. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and equipment required, traffic control requirements, railroad permit requirements including contact information and permit acquisition procedures, and inspection time and personnel requirements.
04/21-03/22	**Engineer & Bridge Inspector for IDIQ Contract for Tunnel Inspections (LADOTD).** This project consists of conducting in-depth tunnel inspections statewide and development of inspection reports and rehabilitation plans, as necessary. The inspections included the identification of anomalies or deficiencies at the tunnels that required immediate attention via visual and hands-on inspections of all structural components, non-destructive testing, visual inspections of mechanical and electrical components (ventilation/pumps etc.), and visual inspections of maintenance and preservation efforts. The team also developed tunnel inspection reports that highlighted necessary repairs and any replacements that need to be made at the sites. The report included condition states, element notes, pictures, and sketches of any noted deficiencies. Volkert is a subconsultant to Mott MacDonald providing inspection support services at all three tunnels. To date, Volkert has provided structural inspection assistance to Mott MacDonald at the Houma, Harvey, and Belle Chasse tunnels in southeastern Louisiana.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Stephen Dossett, PE, CBI, CTI			Years of relevant experience with this employer	7
Title	Bridge Inspection / Civil Engineering			Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering		
Active registration number / state / expiration date			38365 / LA / 03/31/2023		
Year registered	2013	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Mr. Dossett will perform bridge inspections for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
16 years of experience	Mr. Dossett worked at Volkert from 2013-2016 and rejoined Volkert in 2018 and has over 16 years of experience. He assists in the completion of bridge inspections and conceptual plans for bridge improvement projects.
07/05-03/22 est.	**Project Engineer/Bridge Inspector for Nationwide Bridge Inspection Services for the Eastern Federal Lands Highway Division (EFLHD).** Volkert has been selected since 2005 by the Eastern Federal Lands Highway Division (EFLHD) of the Federal Highway Administration (FHWA) to provide National Bridge Inspection Standard (NBIS) and Pontis element level inspections for structures owned by the National Park Service (NPS) and other federal agencies. These facilities include national parks, battlefields, monuments, historic sites, parkways, and other Federal facilities. This is an Indefinite Delivery Indefinite Quantity Contract (IDIQ), with a $10 million up-set limit over each 5-year cycle, assigned by individual task orders to identify structural or functional deficiencies, and make recommendations and cost estimates for repairs. For each task order, Volkert is responsible for providing routine, interim, or initial inspections of structures including culverts, tunnels, retaining walls, and bridges comprised of concrete, masonry, timber, and steel – including the fracture critical and fatigue prone details. Once the field inspections are completed Volkert compiles the data, prepares bridge inspection reports, with all data related to the inspections and recommendations of necessary repairs, rehabilitation, or future inspections required, and submits them to the FHWA in the EFLHD's special inspection software format.
07/14-01/19	**Project Manager for the I-59/I-20 Bridge Rehabilitation for Alabama Department of Transportation (ALDOT).** Volkert was contracted by the Alabama Department of Transportation (ALDOT) to provide engineering services and construction plans to reconstruct the I-20/I-59 interchange located in the Birmingham Business District. The existing bridge, constructed in the 1970's, extends from just east of the I-20/I-59 and I-65 interchange to US 31. I-20/I-59 serves to connect Birmingham with Tuscaloosa, Gadsden, Chattanooga, Atlanta and a number of other smaller cities and towns in the Southeast. I-20/I-59 is the only east-west interstate through

	the Birmingham CBD and is primarily an elevated six-lane divided highway (three-lanes in each direction) with minimal inside and outside shoulder widths through the 3.5-mile area.
09/17-Present	**Project Manager for Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction (OSARC).** Volkert is the prime consultant on this master agreement, which consists of performing NBIS safety inspections, performing load ratings, performing on-call repair inspections, and providing maintenance and repair recommendations on bridges with timber substructures and/or timber superstructures. For all bridges, a load rating was performed on the superstructure and substructure with posting and closure recommendations provided by the OSARC Critical Finding Process. The inspections were completed on schedule within the short time period provided, and the reports and load ratings were completed within the work assignment ending dates. Volkert has developed a good working relationship with the respective county engineers to keep them promptly informed of any critical issues that would require urgent attention by the counties.
2013-2016	**QA Manager/Project Engineer for Multiple Cycles of the Local Government Bridge Inspection Program for the Florida Department of Transportation (FDOT), District Three.** This local government bridge inspection project includes bridge inspection services of approximately 900 locally owned bridges in District Three including city-owned bridges in Tallahassee, Panama City, and numerous other cities in the Florida panhandle. Under the contract, Volkert is responsible for identifying all deficiencies as well as determining and recording the structural condition of each bridge based on PONTIS element-level condition criteria. As a part of the inspection, the main structural elements are given a NBI rating; and a detailed report, including photographs and deficiency sketches.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Matt Burnett, PE, CBI, ADCI, CTI			Years of relevant experience with this employer	10
Title	Dive Team Leader			Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			BS / 2009 / Civil Engineering		
Active registration number / state / expiration date			45464 / LA / 09/30/2023		
Year registered	2021	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Mr. Burnett will lead the dive team for the duration of this project and perform bridge inspections and underwater inspections for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
11 years of experience	Mr. Burnett has more than 11 years of experience as a Professional Engineer, NBIS Team Leader, Certified Bridge Inspector, Certified Tunnel Inspector and ADCI Commercial Diver. He conducts topside and underwater structure inspections, load ratings, scour evaluations for the development of the respective reports. He has served as a Team Leader and/or Dive Team Leader on major Volkert structures inspection projects for State DOTs, local agencies, and federal clients nationwide. Mr. Burnett's expertise also includes the analysis of in-service structures and legal posting requirements. He has supervised and performed the analysis of nearly 1,000 structures across the country including post-tensioned segmental box girders, railroad flatcars, timber structures, steel trusses and box girders, concrete slab units, and steel and concrete girders.
07/05-03/22 est.	**Nationwide Bridge Inspection Services for the Eastern Federal Lands Highway Division (EFLHD) of the Federal Highway Administration (FHWA).** Mr. Burnett serves as Team Leader, Underwater Inspector. He provides Scour Evaluations and Load Ratings. Volkert was selected in 2005, 2010, and again in 2015 to provide NBIS and Pontis element level inspections for structures owned by NPS and other federal agencies. This is an IDIQ assigned by individual task orders to identify structural or functional deficiencies and make recommendations and cost estimates for repairs. For each task order, Volkert provides routine, interim, or initial inspections of identified structures, then completes bridge inspection reports. Under these contracts, Volkert has performed inspection services for nearly 4,400 structures in 45 states and Washington, DC including 161 USFS structures in regions 1, 2, 3, 4, 5, 8, and 9.
08/18-Present	**Underwater Bridge Inspection, Statewide for MDOT, Office of State Aid Road Construction (OSARC).** Mr. Burnett serves as Underwater Bridge Inspector. Volkert teamed with Collins Engineers for underwater investigation, evaluation, and recommendation of repairs of 82 bridge substructures ranging from small stream

	crossings to large cable-stayed structures. A Level I inspection was conducted on underwater components, as well as a 10% Level II inspection and random Level III procedures as determined necessary in the field.
2010-2018	**Local Government Bridge Inspection Program, Cycle 14-16, FL, FDOT District 3.** Mr. Burnett served as Bridge Inspector, performed load ratings and was a part of the scour and dive team staff. This local government bridge inspection project includes bridge inspection services of approximately 900 locally owned bridges in District Three. Under the contract, Volkert was responsible for identifying deficiencies as well as determining and recording the structural condition of each bridge based on PONTIS element-level condition criteria. Volkert held this contract in 2-year cycles from 1988 - 2018.
08/13-Present	**Statewide Complex Bridge Inspections for the Mississippi Department of Transportation Office of State Aid Road Construction (OSARC).** Mr. Burnett served as Team Leader/Load Rating Engineer. The project included approximately 104 structures in 15 counties, four movables (bascule, swing, and lift). The team performed load ratings on all structures inspected.
2015-2017	**Region-wide Bridge Inspection Services for Tuscaloosa/Fayette Areas for ALDOT West Central Region.** Mr. Burnett served as Project Manager. Volkert provided over 100 bridge inspections along various routes throughout the Region on a weekly basis. Volkert bridge inspection team obtained measurements of bridge components to conduct a bridge element analysis, developed inspection reports, and entered the data in the BrM program.
2015-2016	**Asset Maintenance Safety Inspections, Franklin, Gulf, Jefferson, Liberty, and Wakulla Counties, FL, FDOT District 3.** Mr. Burnett served as Bridge Inspector, performed load ratings and was a part of the scour and dive team staff.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Robert Scheeler, PE, CBI, CTI			Years of relevant experience with this employer	6
Title	Civil Engineer / Bridge Inspection			Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization			BS / 1992 / Civil Engineering		
Active registration number / state / expiration date			43973 / LA / 03/31/2022		
Year registered	2019	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Mr. Scheeler will perform bridge inspections for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
30 years of experience	Mr. Scheeler serves as a Project Manager and Team Leader for Volkert's Gulf Region in Mississippi. He has served as project manager for numerous bridge inspection projects and has performed hundreds of topside inspections. He brings over 27 years of experience managing construction projects and performing bridge inspections for bridges of all types including fracture critical structures.
08/13-Present	**Project Manager for Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction (OSARC).** Volkert was the prime consultant on these contracts which consisted of performing NBIS inspections and load ratings on complex bridges with various superstructure types which include simple steel girders, continuous steel plate girders, steel trusses, movable bridges, precast concrete spans, prestressed girders, reinforced concrete tee-beams, reinforced concrete slabs, timber stringers, and concrete culverts with numerous structures having fracture critical members. Also, AASHTO element level inspections were performed on bridges located on NHS routes. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and equipment required, traffic control requirements, inspection time, inspection personnel requirements, and railroad permit requirements including contact information and permit acquisition procedure. The inspections were performed on schedule; and the reports and load ratings were completed within the contract ending dates.
09/17-08/20	**Project Manager for Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction (OSARC).** Volkert is the prime consultant on this master agreement, which consists of performing NBIS safety inspections, performing load ratings, performing on-call repair inspections, and providing maintenance and repair recommendations on bridges with timber substructures and/or timber superstructures. For all bridges, a load rating was performed on the superstructure and substructure with posting and closure recommendations provided by the OSARC Critical Finding Process. The inspections were completed on schedule within the short time period provided, and the reports and load ratings were completed within the work assignment ending dates. Volkert has developed a good working relationship with the respective

	county engineers to keep them promptly informed of any critical issues that would require urgent attention by the counties.
10/19-Present	**Project Manager for Non-complex Load Ratings, for the Office of State Aid Road Construction (OSARC).** Volkert is responsible for conducting load rating assessments using BrR on assigned bridges and coordinating with OSARC and the local owners to legally post deficient bridges. Volkert's staff is coordinating with the local owners, to assist them with repairs that the county or city maintenance crews may be able to perform and to ensure that the bridges with compromised load capacity are posted correctly.
10/16-03/19	**Project Manager for Bridge Inspections at John C. Stennis Space Center in Mississippi, Syncom Space Services.** Since 2016, Volkert has been contracted by Syncom Space Services (S3) to perform bridge inspection services for the structures located within the John C. Stennis Space Center (SSC) for the National Aeronautics and Space Administration (NASA). Volkert has conducted the biannual, element level inspections of the bridges and culverts including development of inspection plans and load rating analyses and detailed Level 1 scour assessments of each structure. In addition to the routine inspections, Volkert developed the movable bridge inspection plan for the routine and in-depth inspections of the double leaf bascule bridge, and performed the fracture critical, mechanical, and electrical inspections for the structure. In 2018 Volkert performed an inspection of the newly upgraded electrical system and conducted a Failure Mode & Effect Analysis (FMEA) of the bascule bridge and navigational lock which are vital for the transport of cryogenic propellants to the testing sites located on SSC.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Paul Swann, CBI, Certified Diver			Years of relevant experience with this employer	18
Title	Certified Bridge Inspector			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			N/A		
Active registration number / state / expiration date			634 / AL CBI / 2023 440 / FL CBI / 2024		
Year registered	N/A	Discipline	Bridge Inspection		
Contract role(s) / brief description of responsibilities			Mr. Swann will perform bridge inspections and underwater inspections for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
18 years of experience	Volkert and Associates, Inc.—Mr. Swann joined Volkert in 2004 and serves as a Bridge Inspector and member of Volkert's Underwater Bridge Inspection Team (Dive Team Member). His project experience includes bridge inspection and bridge scour analysis. He is responsible for the coordination of Volkert's dive team schedule and handles the maintenance of all bridge inspection equipment and vehicles in the structural department. Mr. Swann's specific project Bridge Inspection experience includes:
07/05-08/22 est.	**Nationwide Bridge Inspection Services for the Eastern Federal Lands Highway Division (EFLHD) of the Federal Highway Administration (FHWA).** Mr. Swann serves as a bridge and tunnel inspector and underwater inspector. Volkert was selected in 2005, 2010, and again in 2015 to provide NBIS and Pontis element level inspections for structures owned by NPS and other federal agencies. This is an IDIQ assigned by individual task orders to identify structural or functional deficiencies and make recommendations and cost estimates for repairs. For each task order, Volkert provides routine, interim, or initial inspections of identified structures, then completes bridge inspection reports. Under these contracts, Volkert has performed inspection services for nearly 4,400 structures in 45 states and Washington, DC including 161 USFS structures in Regions 1, 2, 3, 4, 5, 8, and 9.
2006-2018	**Assistant Bridge Inspector and Dive Team Member for the I-10 Twin Span Quarterly Bridge Inspection for the I-10 bridge over Lake Pontchartrain Louisiana Department of Transportation and Development (DOTD)**. Volkert completed a bridge inspection report on both the eastbound and Westbound sections of the I-10 Bridge Over Lake Pontchartrain for the Louisiana DOTD. In order for the Louisiana DOTD to be able to provide accurate bid documents for repairs to the I-10 Lake Pontchartrain Bridge after it was damaged during Hurricane Katrina, the Louisiana DOTD selected Volkert to perform damage assessment inspections on the structures. Both the eastbound and westbound bridges were damaged, with spans in the water, shifted or missing.

	The eastbound bridge had 38 spans in the water, 170 spans shifted, but no bents missing. The westbound bridge had 26 spans in the water, 303 shifted, and 1 bent missing. The westbound approach roadway had significant undermining of existing concrete paving and required replacement of the flowable fill. Major issues observed included corroded shear studs, broken barrier rails, and misalignment of spans. Existing navigation lights were damaged and not functional after the storm, so immediate repairs recommended included the installation of solar-powered navigation lights to ensure maritime traffic safety. Elevated sections of the bridges were found to be in good condition. Volkert was responsible for performing National Bridge Inspection Standards (NBIS) bridge inspections and assisting with the completion of the final report on recommended repairs. Monthly under and above-water inspections of the bridge structure will continue until the bridge replacement is complete. Mr. Swann was responsible for assisting with the topside inspections and underwater inspections (#515800.30 Initial assessment contract; # 515801.30; #515802.30 Plan review; #515803.30 CEI services; #515804.30- bridge inspection of east and westbound sections; #515805.30 WIM Design)
08/13-Present	**Assistant Inspector for Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction (OSARC).** Volkert was the prime consultant on these contracts which consisted of performing NBIS inspections and load ratings on complex bridges with various superstructure types which include; simple steel girders, continuous steel plate girders, steel trusses, movable bridges, precast concrete spans, prestressed girders, reinforced concrete tee-beams, reinforced concrete slabs, timber stringers, and concrete culverts with numerous structures having fracture critical members. Also, AASHTO element level inspections were performed on bridges located on NHS routes. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and equipment required, traffic control requirements, inspection time, inspection personnel requirements, and railroad permit requirements including contact information and permit acquisition procedure. The inspections were performed on schedule; and the reports and load ratings were completed within the contract ending dates.
2005-2006	**Assistant Inspector for the Bulkhead Inspections in Bayou La Batre, Alabama for the City of Bayou La Batre Port Authority.** Volkert completed visual inspections for multiple sites in Bayou La Batre associated with the Bayou La Batre Channel Improvements Project. Inspections consisted of 127 cleats, 148 concrete caps, 152 timber piles, and 135 pile straps, looking for corrosion, erosion, missing bents or piles, and structural problems. Recommendations for repairs were made in a report to the Port Authority.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Jeffrey "Todd" Powell, CBI			Years of relevant experience with this employer	14
Title	Bridge Inspector / Underwater Diver			Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization			N/A		
Active registration number / state / expiration date			629 / AL CBI / 2023 377 / FL CBI / 2024		
Year registered	N/A	Discipline	Bridge Inspection		
Contract role(s) / brief description of responsibilities			Mr. Powell will perform bridge inspections and underwater inspections for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
35 years of experience	Mr. Powell joined Volkert in 2006 and has over 20 years of experience in the topside and underwater inspection of bridges, including timber, concrete, steel and pipe culvers. He is experienced in Element Level, BrM, and CID coding procedures and policies. He is a certified Bridge inspection in Alabama (#629) and Florida (#377) and is also a PADI Advanced Open Water Diver #0110393606. Professional Training includes: ▼ NHI Non-Destructive Testing Methods for Steel Bridges ▼ NHI Safety Inspection of In-Service Bridges ▼ NHI Underwater Bridge Inspection ▼ NHI Fracture Critical Inspection Techniques for Steel Bridges ▼ NHI Inspection and Maintenance of Ancillary Highway Structures ▼ NHI Stream Stability and Scour at Highway Bridges for Bridge Inspectors
07/05-03/22 est.	**Nationwide Bridge Inspection Services for the Eastern Federal Lands Highway Division (EFLHD) of the Federal Highway Administration (FHWA).** Scour Evaluations, Team Leader, Underwater Inspector. Volkert was selected in 2005, 2010, and again in 2015 to provide NBIS and Pontis element level inspections for structures owned by NPS and other federal agencies. This is an IDIQ assigned by individual task orders to identify structural or functional deficiencies and make recommendations and cost estimates for repairs. For each task order, Volkert is responsible for providing routine, interim, or initial inspections of identified structures, then completing bridge inspection reports. To date, Volkert has performed over 4,900 bridge inspections and over 800 load rating assessments in over 45 states and Washington, DC.
09/17-08/20	**Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction Office of State Aid Road Construction.** Bridge Inspector. The work assignments include all timber substructure or timber superstructure as requested by OSARC. Volkert's bridge inspectors are conducting an NBIS safety

	inspection; developing load ratings for each bridge and providing recommendations when the rating needs to be adjusted; developing maintenance and repair recommendations as required; and developing plans/cost estimates for maintenance and repair recommendations.
08/13-Present	**Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction Office of State Aid Road Construction.** Bridge Inspector/Dive Team Member. The bridges included in this contract consisted of steel bridges with fracture critical members, specifically continuous plate girders, steel girders, railroad flat cars, and movable bridges. These bridges also included approach spans made of timber, precast concrete, or prestressed concrete beam spans. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and equipment required, traffic control requirements, railroad permit requirements including contact information and permit acquisition procedures, and inspection time and personnel requirements.
2006-2018	**Multiple Cycles of the Local Government Bridge Inspection Program for FDOT, District Three.** Bridge Inspector/Dive Team Member. This local government bridge inspection project includes bridge inspection services of approximately 900 locally owned bridges in District Three including city-owned bridges in Tallahassee, Panama City, and numerous other cities in the Florida panhandle. Under the contract, Volkert is responsible for identifying all deficiencies as well as determining and recording the structural condition of each bridge based on PONTIS element-level condition criteria. As a part of the inspection, the main structural elements are given a NBI rating; and a detailed report, including photographs and deficiency sketches.
2006-20199	**Fracture-Critical Inspection of Truss Bridges in Morgan and Madison Counties, Alabama for ALDOT |** Bridge Inspector. Following the collapse of the I-35W Mississippi River Bridge in Minnesota, ALDOT contracted Volkert to perform fracture-critical inspections and load rating reviews of two of the State's major truss bridges the US 31 over the Tennessee River bridge in Morgan County and the US 231 over the Tennessee River at the Morgan-Madison County Line. Volkert built load rating models of both bridges. After publication of the gusset plate findings in Minnesota, ALDOT contracted Volkert to perform further special inspections of the gussets, which was used to create a GT STRUDL model to analyze each connection.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Corey Boss, CBI, Certified Diver			Years of relevant experience with this employer	9
Title	Bridge Inspector / Underwater Diver			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			AS / 2013 / Drafting and Design		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Bridge Inspection, Evaluation and Reporting | / Engineering Support		

Experience dates (mm/yy–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).
9 years of experience	Mr. Boss joined Volkert in May of 2013 and has nine years of experience. Mr. Boss drafts bridges, roads, and culverts for new and reconstructed projects. He prepares the roadway and bridge plans utilizing professional software programs including AutoCad and Microstation. He also serves as an assistant bridge inspector. Mr. Boss' certifications include: ▼ FHWA A-NHI-130053; Bridge Inspection ▼ Open Water Diver, SSI International, 2020
08/20-08/21	**Assistant Bridge Inspector/Drafter, Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction (OSARC).** The bridges included in this contract consisted of steel bridges with fracture critical members, specifically continuous plate girders, steel girders, railroad flat cars, and movable bridges. These bridges also included approach spans made of timber, precast concrete, or prestressed concrete beam spans. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and equipment required, traffic control requirements, railroad permit requirements including contact information and permit acquisition procedures, and inspection time and personnel requirements.
10/16-03/19	**Assistant Bridge Inspector/Drafter, Bridge Inspections at John C. Stennis Space Center in Mississippi, Syncom Space Services.** Since 2016, Volkert has been contracted by Syncom Space Services (S3) to perform bridge inspection services for the structures located within the John C. Stennis Space Center (SSC) for the National Aeronautics and Space Administration (NASA). Volkert has conducted the biannual, element level inspections of the bridges and culverts including development of inspection plans and load rating analyses and detailed Level 1 scour assessments of each structure. In addition to the routine inspections, Volkert developed the movable bridge inspection plan for the routine and in-depth inspections of the double leaf bascule bridge, and performed the fracture critical, mechanical, and electrical inspections for the structure. In 2018 Volkert performed an inspection of the newly upgraded electrical system and conducted a Failure Mode & Effect

	Analysis (FMEA) of the bascule bridge and navigational lock which are vital for the transport of cryogenic propellants to the testing sites located on SSC.
09/17-08/20	**Assistant Bridge Inspector/Drafter, Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction.** The work assignments include all timber substructure or timber superstructure as requested by OSARC. Volkert's bridge inspectors are conducting an NBIS safety inspection; developing load ratings for each bridge and providing recommendations when the rating needs to be adjusted; developing maintenance and repair recommendations as required; and developing plans/cost estimates for maintenance and repair recommendations.
11/14-01/19	**Drafter for SR 6 from SR 316 to Panola County Line, MDOT, Quitman County, Mississippi.** This project is to provide Phase "A" design including bridge hydraulic recommendations for the Coldwater River crossing and two relief crossings, Buck Bayou and Cassidy Bayou. MDOT proposes to widen the current route and replace each structure along the existing alignment. The replacements of these structures will also require a detour (temporary) construction analysis to be completed.
12/11-07/20	**Drafter for the I-59/I-20 Bridge Rehabilitation Project, ALDOT, Jefferson County, Alabama.** The existing bridge extends from just east of the I-59/20 / I-65 route interchange to US 31 and runs through the Birmingham Central Business District. The two- to four-span continuous units with 130' to 160' spans will be built using the span-by-span method of construction. The substructure consists of 175 typical, tee and transition piers supported on multi-pile and shaft foundations. Volkert performed bridge, roadway, and environmental design services. See additional details in the Similar Type Work / Experience and Qualifications Section.
03/13-03/15	**Drafter for design plans for Northern Beltline east of SR 75, ALDOT, Birmingham, Alabama.** Volkert was tasked with preparing roadway and bridge plans for a 4.5-mile section of Birmingham Northern Beltline (State Route 959) in Jefferson County. The roadway plans include the grading and drainage design of four to six lane divided access-controlled freeway as well as one interchange. The bridge plans include the design of five bridge pairs and three ramp bridges.

16. **Staff Experience:**

Firm employed by VOLKERT			
Name	Elliott Coon, CBI, ADCI, SPRAT	Years of relevant experience with this employer	2
Title	Certified Bridge Inspector / Dive Team	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		530 / FL CBI / 2028	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Mr. Coon will serve as a certified bridge inspector and climber for the duration of this project.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
14 years of experience	Mr. Coon has 14 years of experience as a Certified Bridge Inspector/Commercial Diver/SPRAT Level 1 with diverse experience in topside and underwater structures inspection, construction, and maintenance. His experience includes inspections on routine, special, accident/post rehabilitation and interim topside and underwater structures including timber, steel, concrete, fixed, movables, culverts, dams, and fracture critical bridges for structural integrity. Mr. Coon has specialized training for inspection and maintenance of ancillary highway structures, Level 2 non-destructive testing certifications, experience in deep sea offshore drill rig operations and served in the United States Marine Corps. Mr. Coon's certification and training includes: ▼ Certified Bridge Inspector, Florida, No. 00530, 2014 ▼ Certified Commercial Diver Certification No. 207800, 2002 ▼ Certified Scuba Diver and Nitrox ▼ Certified Medical Diver ▼ FHWA-NHI No. 130055, Safety Inspection of In-Service Bridges ▼ FHWA-NHI No. 130087, Inspection and Maintenance of Ancillary Highway Structures ▼ Hazwoper Certification: L2 ▼ Intermediate MOT ▼ Confined Space Awareness ▼ Non-Destructive Testing ▼ Ultrasonic Tech: L2 ▼ Operator Training Underbridge MEWPs
03/19-2021	**District Wide Inspection of Overhead Sign Structures and HMLPs, FL, FDOT District 2.** Mr. Coon served as Bridge Inspector for overhead sign structure inspection of approximately 599 overhead structures.

	Additionally, 94 weathering HMLPs were included in the inspection requirements. Data from the General Sign Information Report was checked and compared to existing conditions. Updating of the GSIR was a routine task.
03/19-Present	**District Wide Structure Asset Maintenance Structure (SAM) Inspection, FL, FDOT Districts 1 and 7.** Mr. Coon serves as Bridge Inspector. The project provides structures inspection and maintenance design involving approximately 1,100 bridges and 1,250 TSMAs. Bridge types range from long bridges (Howard Frankland and Gandy bridges) to long segmental post-tension bridges (Selmon-Crosstown Expressway) to local timber bridges and concrete culverts. These structures are both state and locally owned. Volkert is teamed with ICA on this project and performs inspections (including initial inspections), incidental engineering and emergency response services (design CEI). Additionally, Volkert provided engineering services that included emergency repair design, CEI, survey, and load ratings.
03/19-Present	**District Wide Structure Asset Maintenance (SAM) Contract for TSMA and HMLP Inspection, FL, FDOT Districts 1 and 7.** Mr. Coon served as Bridge Inspector and responded to hurricane affected areas to determine damage, as needed. The project provided structures inspection and maintenance design involving approximately 1,250 TSMAs and 690 HMLPs. Volkert was teamed with ICA on this project and performed inventory/schedule planning, inspections, incidental engineering and emergency response services. Additionally, Volkert provided coordination with local owners, recommendations of structure repairs, and engineering evaluations. Engineering services included repair design of the Howard Frankland Causeway sign repairs and the Sunshine Skyway Causeway sign repairs and several over height beam hits, two of which included steel beam heat straightening
03/19-2021	**I-4 Ultimate P3, Orlando, FL, FDOT District 5.** Mr. Coon served as Bridge Inspector. This project rebuilds and upgrades I-4 through the Orlando area. It will add four tolled express lanes to the interstate while maintaining the existing free general use lanes. Volkert's role in the asset maintenance portion of the project includes inspection of existing bridges, signs, HMLPs, and TSMAs all while maintenance inspections and engineering support for 160 new bridges, 300 new signs and 85 new TSMAs. Establishing documentation for new structures in the state bridge management system is a key component of Volkert's effort. Engineering support included repair design and evaluation of various construction related structure damage. Highlights include repair design of damage to a steel box girder due to a vehicle collision at Conroy Road over I-4 and providing repair concepts and monitoring of pile settlement at I-4 over Ivanhoe Blvd.
03/19-Present	**Florida Keys Bridge Inspection, FL, Monroe County, FDOT District 6.** Mr. Coon served as Bridge Inspector. The project is for 65 routine bridge inspections, including four large post-tension segmental bridges (one of which is the Seven Mile Bridge), 14 overhead signs, three HMLPs and 45 TSMAs inspections. Services include work-order creation, attending maintenance meetings (FARC), engineering support and emergency incident response and load ratings.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Denise Jensen, CBI, ADCI			Years of relevant experience with this employer	<1
Title	Underwater Certified Bridge Inspector			Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization			AA / 2004 / Science		
Active registration number / state / expiration date			592 / FL CBI / 2028		
Year registered	2019	Discipline	Certified Bridge Inspector		
Contract role(s) / brief description of responsibilities			Ms. Jensen will perform underwater bridge inspections for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
6 years of experience	Ms. Jensen is an NBIS Team Leader and ADCI Commercial Diver with more than six years of experience conducting routine, special, accident/post rehabilitation and interim topside and underwater inspections on structures throughout Florida. Her experience includes fixed, movables, culverts, dams, weirs and locks. Additionally, Ms. Jensen has conducted debris sweeps, as well as CEI pre-construction, phased, post construction repair inspections and pile jacket installation. Ms. Jensen's training/certifications include: ▼ Professional Commercial Diver, Divers Institute of Technology, Seattle, WA, 2013 ▼ SCUBA Diver Certification NAUI, No. jens122681densd, 2013 ▼ ADCI Commercial Diver #54259 ▼ Bridge Element Training, FBPE 0009423, 2014 ▼ Confined Space Entry, CFR 1910.146, 2014 ▼ FHWA-NHI No. 130055, Safety Inspection of In-Service Bridges ▼ FHWA-NHI No. 130087, Inspection and Maintenance of Ancillary Highway Structures ▼ FHWA-NHI No. 130091, Underwater Bridge Inspection ▼ First Aid and CPR Training ▼ TWIC Certified
10/20-Present	**State and Local Government Underwater Bridge Inspection and Construction Inspection, FDOT Districts 1 and 7.** Ms. Jensen currently serves as Lead Underwater Bridge Inspector for Volkert on this project which includes both routine, interim, emergency, special and phased construction inspections. This contract requires the preparation of detailed reports and underwater photography documenting existing conditions for each structure. These inspections are based on the NBIS requirements and are in accordance with FDOT and FHWA guidelines. Both SSA (Surface Supplied Air) and scuba diving methods are used on these projects. Additionally, Ms. Jensen is also responsible for training assistants, boat and dive equipment maintenance.

10/20-Present	**Underwater Bridge Inspection, FDOT District 5 CFX.** Ms. Jensen currently serves as Lead Underwater Bridge Inspector for Volkert on this project which includes both routine, interim, emergency, special and phased construction inspections. This contract requires the preparation of detailed reports and underwater photography documenting existing conditions for each structure. These inspections are based on the NBIS requirements and are in accordance with FDOT and FHWA guidelines. Both SSA (Surface Supplied Air) and scuba diving methods are used on these projects. Additionally, Ms. Jensen is responsible for training assistants, boat, and dive equipment maintenance.
10/20-05/22	**Miscellaneous Inspections, FDOT Districts 1, 2, 4, 5, 6 and 7.** Ms. Jensen served as Lead Inspector and Underwater Diver conducting underwater and topside inspections of structures and ancillary structures. Her responsibilities included planning monthly schedules, leading inspections, dive operations, writing reports, report corrections, training assistants and boat and dive equipment maintenance.
10/20-05/22	**Florida Department of Transportation, Fort Lauderdale, FL, FDOT District 4.** Ms. Jensen served as Assistant Bridge Inspector and Underwater Diver and Topside Inspections Assistant. Her duties included assisting with inspections, dive operations, writing reports and office responsibilities.

16. **Staff Experience:**

Firm employed by VOLKERT			
Name	Keith Hoogland, CBI, ACDI	Years of relevant experience with this employer	1.5
Title	Senior Underwater Certified Bridge Inspector, Underwater Operations Manager	Years of relevant experience with other employer(s)	37

Degree(s) / Years / Specialization			AS / 1981 / Underwater Technology
Active registration number / state / expiration date			341 / FL CBI / 2028
Year registered	1998	Discipline	Certified Bridge Inspector
Contract role(s) / brief description of responsibilities			Mr. Hoogland will serve as an Underwater Bridge Inspector for the duration of this project.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
38 years of experience	Keith Hoogland is a NBIS Team Leader, ADCI Commercial Diver, PADI Advanced Open Water Diver and Field Operations Manager with 38 years of experience conducting routine, special, accident/post rehabilitation and interim underwater bridge inspections on structures throughout Florida and Puerto Rico. His experience includes fixed, movables, culverts, dams, weirs, locks, and port docking facilities. Keith has conducted debris sweeps and CEI pre-construction, phased, post construction repair inspections, pile jacket installation. Keith started his career with Dive-Tech International where he conducted inspections of port facilities, power plants, oil terminals, pipelines, pile jacket installation, seagrass replanting and monitoring and artificial reef monitoring before moving into the private sector of bridge inspection. Mr. Hoogland's training and certifications include: ▼ Commercial Diver Training, Florida Institute of Technology, 1981 ▼ ADCI Commercial Diver #54258 ▼ PADI Advanced Open Water Diver, #80263628, 1980 ▼ FHWA-NHI No. 130047, Stream Stability and Scour at Highway Bridges for Bridge Inspectors ▼ FHWA-NHI No. 130053, Bridge Inspection Refresher Training ▼ FHWA-NHI No. 130055, Safety Inspection of In-Service Bridges ▼ FHWA-NHI No. 130087, Inspection and Maintenance of Ancillary Highway Structures ▼ FHWA-NHI No. 130091, Underwater Bridge Inspection ▼ FHWA-NHI No. 134029, Bridge Maintenance Training ▼ FDOT Bridge Management System Inspector Training ▼ FBPE No. 0009423, National Bridge Element Training ▼ First Aid and CPR Training ▼ TWIC Certified

04/20- Present	**State and Local Government Underwater Bridge Inspection and Construction Inspection, FDOT Districts 1 and 7.** Keith currently serves as Senior Underwater Bridge Inspector and Field Operations Manager for Volkert on this project which includes both routine, interim, emergency, special and phased construction inspections. This contract requires the preparation of detailed reports and underwater photography documenting existing conditions for each structure. These inspections are based on the NBIS requirements and are in accordance with FDOT and FHWA guidelines. Both SSA (Surface Supplied Air) and scuba diving methods are used on these projects.
04/20- Present	**State and Local Government Underwater Bridge Inspection and Construction Inspection, FDOT District 2.** Keith currently serves as Senior Underwater Inspector and Field Operations Manager on this project which includes both routine, interim, emergency, special and phased construction inspections. The contract requirements are similar to the above project description
04/20- Present	**Local Government Underwater Bridge Inspection and Construction Inspection, FDOT District 3.** Keith currently serves as Senior Underwater Inspector and Field Operations Manager on this project which includes both routine, interim, emergency, special and phased construction inspections. The contract requirements are similar to the above project description
04/20- Present	**Local Government Underwater Bridge Inspection and Construction Inspection, FDOT District 4.** Keith currently serves as Senior Underwater Inspector and Field Operations Manager on this project which includes both routine, interim, emergency, special and phased construction inspections. The contract requirements are similar to the above project description.
04/20- Present	**Local Government Underwater Bridge Inspection and Construction Inspection, FDOT District 5.** Keith currently serves as Senior Underwater Inspector and Field Operations Manager on this project which includes both routine, interim, emergency, special and phased construction inspections. The contract requirements are similar to the above project description

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Anthony Bibelhauser, CBI			Years of relevant experience with this employer	20
Title	Certified Bridge Inspector			Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization			Commercial Diving School		
Active registration number / state / expiration date			359 / FL CBI / 2028 0006 / FL CTI / 2022		
Year registered	N/A	Discipline	Certified Bridge Inspector / Diver		
Contract role(s) / brief description of responsibilities			Mr. Bibelhauser will perform bridge inspections and diving duties for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
28 years of experience	Mr. Bibelhauser has more than 28 years of structural inspection experience. He has experience as a CBI/Diver for the state of Florida in FDOT Districts 1 and 7 and is a Certified Tunnel Inspector. Mr. Bibelhauser has performed hundreds of inspections as a team leader on fixed, movable, and long structures. His experience also includes inspection of sign structures and construction works, also, he is a certified commercial diver. Mr. Bibelhauser's training and certifications include: ▼ FHWA-NHI No. 130053, Bridge Inspection Refresher Training ▼ FHWA-NHI No. 130055, Safety Inspection of In-Service Bridges ▼ FHWA-NHI No. 130078, Fracture Critical Inspection Techniques for Steel Bridges ▼ FHWA-NHI No. 130087, Inspection and Maintenance of Ancillary Highway Structures ▼ FHWA-NHI-130110, Tunnel Safety Inspection ▼ OSHA 10-Hour Construction Industry Safety and Health Outreach Training Program ▼ FDOT Central Office - BrM User Training Course ▼ FDOT Temporary Traffic Control (TTC) No. 68303 ▼ FDOT Computer Security Awareness Training ▼ Aspen Aerials ANSI A92.22 and A92.24 Type 2 Group B Underbridge MEWPs ▼ Red Cross First Aid/CPR/AED
2018-Present	**Indian River County Asset Maintenance, Indian River County, FL, FDOT District 4.** Mr. Bibelhauser is serving as Bridge Inspector. This project involves bridge inspections services and engineering support for a ten year long FDOT asset maintenance project. Inspection services includes routine and special inspections of 27 bridges including four long bridges and four over-lane signs in Indian River County in FDOT District 4. Engineering support includes post storm response, incident response, repair design and load rating. Volkert is

	providing cost saving measures such as consolidating the inspection schedule and coordinating special access equipment and underwater inspection teams at the large bridges to ensure optimal structural coverage.
01/15-12/22 est.	**Structure Asset Maintenance (SAM) District Wide Structure Inspection, FL, FDOT Districts 1 and 7**. Mr. Bibelhauser serves as Bridge Inspector. The project provides structures inspection and maintenance design involving approximately 1,100 bridges and 1,250 TSMAs. Bridge types range from long bridges (Howard Frankland and Gandy bridges) to long segmental post-tension bridges (Selmon-Crosstown Expressway) to local timber bridges and concrete culverts. These structures are both state and locally owned. Volkert is teamed with ICA on this project and performs inspections (including initial inspections), incidental engineering and emergency response services (design CEI). Additionally, Volkert provides engineering services to include emergency repair design, CEI, survey, and load ratings.
2011-2014	**South Structure Asset Maintenance (SAM) District Wide Bridge Inspection, FL, FDOT District 1.** Mr. Bibelhauser served as Bridge Inspector. The project provided structures inspection and maintenance design involving approximately 1,000 bridges. Bridge types range from long bridges (I-75 over Peace River and the Edison Bridges) to continuous steel box girders to local timber bridges and concrete culverts. These structures are both state and locally owned. Volkert teamed with ICA on this project and performed inspections (including initial inspections), incidental engineering and emergency response services. Additionally, Volkert provided coordination with local owners, recommendations of structure repairs, engineering evaluation, and load ratings.
08/10-02/16	**District Wide State Complex Bridge Inspection, FL, FDOT District 2.** Mr. Bibelhauser served as Bridge Inspector and managed subcontractors on-site, organized and updated deficiency tables, and operated under bridge inspection vehicles, bucket trucks, man lifts and boats. The project was for the planning and execution of routine and interim bridge inspections of approximately 30 large, cable stayed and complex bridges on the State highway system. Fixed bridges include the Buckman and Fuller Warren long bridges, Hart and Mathews through truss bridges, complex interchange bridges on I-10 and I-95 (all in Jacksonville), and the Hal Adams Suspension Bridge in Suwannee County. Movable bridges included the Main Street Lift Bridge in Jacksonville and the Bridge of Lions in St. Augustine. Special inspection methods were required for the gusset plates on the truss bridges. Rigging and climbing was required to access portions of the truss bridges. Inspection reports were created in a Pontis format and include very large report addendums. Additional tasks included pile length testing, Phase II, III and IV Scour Evaluation and paint inspection utilizing the new National Bridge Elements.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Charles "Robert" Chambless Jr., CBI, CTI			Years of relevant experience with this employer	<1
Title	Certified Bridge Inspector			Years of relevant experience with other employer(s)	28
Degree(s) / Years / Specialization			N/A		
Active registration number / state / expiration date			313 / AL CBI / No Expiration		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Mr. Chambless will perform underwater bridge inspections for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
29 years of experience	Mr. Chambless joined Volkert in 2021. Prior to joining Volkert, he spent 28 years with the Alabama Department of Transportation. During that time, he worked his way from Bridge Inspector Trainee to Chief Bridge Inspector to Maintenance Operations Manager. Mr. Chambless has inspected numerous types of bridges including reinforced concrete, prestress concrete, post tensioned concrete, cable stay structure, fracture critical steel bridges, vertical lift draw bridge. Mr. Chambless can operate various types of vehicles, manlifts, and boats used to inspect bridges and culverts. The later part of his was spent as the Maintenance Operations Manager where he was responsible for managing the ALDOT's Resurfacing Program. Mr. Chambless' training and certifications include: ▼ NHI/FHWA – Safety Inspection of In-Service Bridges ▼ NHI/FHWA – Culvert Inspection ▼ NHI/FHWA – Bridge Painting Inspection ▼ NHI/FHWA – Stream Stability and Scour at Highway Bridges for Bridge Inspectors ▼ NHI/FHWA – Stream Stability Factors and Concepts ▼ NHI/FHWA – Fracture Critical Inspection Techniques for Steel Bridges ▼ NHI/FHWA – Underwater Bridge Inspection ▼ NHI/FHWA – Underwater Bridge Repair, Rehabilitation, and Countermeasures ▼ NHI/FHWA – Tunnel Safety Inspection ▼ NHI/FHWA – Tunnel Inspection Refresher Training
09/17-08/20	**Assistant Bridge Inspector for the Timber Bridge Inspection IDIQ Master Contract for the Office of State Aid Road Construction (OSARC)**. The work assignments include the inspection of bridges with either timber substructures or timber superstructures as requested by OSARC. Volkert's bridge inspectors are conducting an NBIS safety inspection; developing load ratings for each bridge and providing recommendations when the rating

	needs to be adjusted; developing maintenance and repair recommendations as required; and developing plans/cost estimates for maintenance and repair recommendations. Continual coordination and communication with OSARC is critical to the project's success.
08/13-Present	**Bridge Inspector for Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction (OSARC).** Volkert was the prime consultant on these contracts which consisted of performing NBIS inspections and load ratings on complex bridges with various superstructure types which include; simple steel girders, continuous steel plate girders, steel trusses, movable bridges, precast concrete spans, prestressed girders, reinforced concrete tee-beams, reinforced concrete slabs, timber stringers, and concrete culverts with numerous structures having fracture critical members. Also, AASHTO element level inspections were performed on bridges located on NHS routes. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and equipment required, traffic control requirements, inspection time, inspection personnel requirements, and railroad permit requirements including contact information and permit acquisition procedure. The inspections were performed on schedule; and the reports and load ratings were completed within the contract ending dates.
10/18-10/22	**Pike Road Bridge Inspections, Town of Pike Road, AL.** Since 2016 Volkert has conducted Compliance Reviews for the Town of Pike Road. These reviews consist of conducting bridge inspections and report development in accordance with National Bridge Inspection Standards (NBIS) and the Alabama Department of Transportation (ALDOT) standards and specifications. The inspection will consist of site and condition ratings for each element (deck, superstructure, substructure) and any deficiencies will be documented with repair recommendations made as necessary. All information regarding the structure will be updated in the BrM system.

16. **Staff Experience:**

Firm employed by VOLKERT			
Name	Luke Chambless, ADCI	Years of relevant experience with this employer	2
Title	Assistant Underwater Bridge Inspector (AUBIT)	Years of relevant experience with other employer(s)	<1
Degree(s) / Years / Specialization		CDA / 2020 / Commercial Diving	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Mr. Chambless will perform underwater bridge inspections for the duration of this project.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
2 years of experience	Mr. Chambless has two years of experience in the diving industry as an underwater dive inspector. His experience includes the use of rigging equipment, operating jet pumps, welding equipment and associated maritime equipment. He has obtained his topside welding certification for commercial divers from the American Welding Society (AWS). Mr. Chambless' training and certifications include: ▼ Divers Certification Board of Canada (DCBC) qualified as an Unrestricted; Surface Supplied Commercial Diver. Recognized by the International Marine Contractors Association (IMCA) ▼ Association of Commercial Diving Contractor (ADCI) qualified as Tender/Diver. ▼ OSHA – Haz-Mat/Hazwoper procedures (40 hours). Nondestructive Testing (NDT) Level 1 & II – U/W VT, UT & MPI American Society of Nondestructive Testing (ASNT) Standards. ▼ Underwater Visual Testing (U/W VT ▼ Ultrasonic Testing (UT) ▼ Magnetic Particle Inspection (MPI) ▼ American Safety & Health Institute (ASHI)– First Aid, CPR, Oxygen Provider (O2) & Automated Defibrillator Qualified (AED). ▼ Unrestricted Surface Supplied Diver; Endorsement of Occupational SCUBA Diver (30m) ▼ National Academy of Scuba Educators (NASE Worldwide) ▼ Open Water Diver; Advanced Open Water Diver; Nitrox I Diver; Rescue Diver; Master Diver. ▼ C-Scuba -- Dive Master
08/13-Present	**Assistant Bridge Inspector for Bridge Inspection and Related Services related to an IDIQ Master Contract for the Office of State Aid Road Construction (OSARC)**. The project consists of performing NBIS inspections and load ratings on complex bridges in 11 Mississippi counties with various superstructure types which include fracture critical members and movable spans. For each bridge inspected, Volkert develops a

	bridge inspection plan which outlines access method and equipment required, traffic control requirements, inspection time, inspection personnel requirements, and railroad permit requirements including contact information and permit acquisition procedure.
2021-Present	**Assistant Bridge Inspector for Region-wide Bridge Inspection Services for the Alabama Department of Transportation (ALDOT) Southwest Region.** The project will consist of routine bridge inspection services (topside and underwater) for 9 bridges in the region. These inspections required traffic control, and snooper and lift vehicles (in some cases). Volkert bridge inspection team obtained measurements of bridge components in order to conduct a bridge element analysis and entered all data in the BrM program as well as provided bridge inspection reports.
09/17-08/20	**Assistant Bridge Inspector for the Timber Bridge Inspection IDIQ Master Contract for the Office of State Aid Road Construction (OSARC)**. The work assignments include the inspection of bridges with either timber substructures or timber superstructures as requested by OSARC. Volkert's bridge inspectors are conducting an NBIS safety inspection; developing load ratings for each bridge and providing recommendations when the rating needs to be adjusted; developing maintenance and repair recommendations as required; and developing plans/cost estimates for maintenance and repair recommendations. Continual coordination and communication with OSARC is critical to the project's success.
2021-Present	**Assistant Bridge Inspector for Mobile County Bridge Inspection Program in Mobile, Alabama for the Mobile County Commission**. Volkert has been contracted consecutively dating back to 1994 by the Mobile County Engineering Department to perform bridge inspection services throughout the County including topside, underwater, under bridge inspection vehicle (UBIV) inspections, emergency inspections, and scour assessments.
2021-Present	**Assistant Bridge Inspector for Bridge Inspection and Compliance Reviews for the Town of Pike Road**. Since 2016 Volkert has conducted Compliance Reviews for the Town of Pike Road. These reviews consist of conducting bridge inspections and report development in accordance with National Bridge Inspection Standards (NBIS) and the Alabama Department of Transportation (ALDOT) standards and specifications. The inspection will consist of site and condition ratings for each element (deck, superstructure, substructure) and any deficiencies will be documented with repair recommendations made as necessary. All information regarding the structure will be updated in the BrM system.

16. **Staff Experience:**

Firm employed by VOLKERT			
Name	Davey Smith	Years of relevant experience with this employer	4
Title	Assistant Bridge Inspector	Years of relevant experience with other employer(s)	35
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		Mr. Smith will serve as an Assistant Bridge Inspector for the duration of this project.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
39 years of experience	Mr. Smith has 39 years of experience, including 29.5 years with MDOT where he served as permit officer, maintenance analyst and assistant to the District Maintenance and Assistant Maintenance Engineers. Mr. Smith has vast experience in the inspection and maintenance of transportation and infrastructure. As a maintenance analyst with MDOT, he conducted surveys of roadway corridors to check conditions of pavement, drainage, signs, legends and other roadway features. He also serves as an assistant bridge inspector.
08/19-Present	**Bridge Inspector, Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction (OSARC)**. The bridges included in this contract consisted of steel bridges with fracture critical members, specifically continuous plate girders, steel girders, railroad flat cars, and movable bridges. These bridges also included approach spans made of timber, precast concrete, or prestressed concrete beam spans. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and equipment required, traffic control requirements, railroad permit requirements including contact information and permit acquisition procedures, and inspection time and personnel requirements.
08/19-08/20	**Bridge Inspector, Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction**. The work assignments included any timber sub structure or timber superstructure as requested by OSARC. Volkert's bridge inspectors conducted an NBIS safety inspection; developed load ratings for each bridge and provided recommendations when the rating needed to be adjusted; developed maintenance and repair recommendations as required; and developed plans/cost estimates for maintenance and repair recommendations.
01/18-07/20	**Drafter for I-55 from the Copiah County Line to Byram in Hinds County, MS.** The overlay/resurfacing project consisted of the development of Phase A & B roadway design plans and specifications for approximately 10 miles of I-55 in Hinds County, Mississippi. The project included the plan development for an asphalt mill and overlay of I-55, shoulder and ramp improvements, directional sign replacement, slide repair, traffic control,

	drainage, and pavement marking. In addition, plans were developed for the widening of the exit ramp at Green Gables Road Southbound Of Ramp by addendum.

16. **Staff Experience:**

Firm employed by VOLKERT			
Name	Will Valentine, EI	Years of relevant experience with this employer	<1
Title	Engineering Intern / Assistant Bridge Inspector	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2021 / Civil Engineering	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Mr. Valentine will serve as an Assistant Bridge Inspector for the duration of this project.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
2 years of experience	Mr. Valentine is a civil engineering intern, and his responsibilities include assisting in bridge inspection, assisting in designing and detailing bridge superstructure elements, load rating complex and non-complex structures. Prior to being hired at Volkert after graduation, Mr. Valentine interned at MDOT in Construction Division at the Whitfield Project Office in Pearl, MS.
08/20-Present	**Bridge Inspector, Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction (OSARC).** The bridges included in this contract consisted of steel bridges with fracture critical members, specifically continuous plate girders, steel girders, railroad flat cars, and movable bridges. These bridges also included approach spans made of timber, precast concrete, or prestressed concrete beam spans. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and equipment required, traffic control requirements, railroad permit requirements including contact information and permit acquisition procedures, and inspection time and personnel requirements.
08/20-07/21	**Bridge Inspector, Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction (OSARC).** The work assignments included any timber sub structure or timber superstructure as requested by OSARC. Volkert's bridge inspectors conducted an NBIS safety inspection; developed load ratings for each bridge and provided recommendations when the rating needed to be adjusted; developed maintenance and repair recommendations as required; and developed plans/cost estimates for maintenance and repair recommendations.
2021-2022	**MDOT Construction Division Intern; Whitfield Project office – Pearl, MS.** Responsibilities included but not limited to the supervision of all aspects of roadway and bridge construction, sampling and testing of materials, meeting with contractors to discuss and resolve any issues that would arise, keeping track of all quantities used and keeping records of all work involved with various aspects of construction.

	Norrell Road/Continental Drive, Bridge construction and altering interchange of I-20 in Bolton, MS. Collecting asphalt quantities, sampling and testing roadway subbase materials, collecting earthwork quantities, collecting grassing and erosion control quantities
2021-2022	**Emergency Slide Repair in Madison, Hinds, and Rankin Counties.** Slide repair utilizing steel piles at various sites, collecting quantities for piles, earthwork, grassing and erosion control quantities. Oversaw other technicians due to multiple sites being active simultaneously.
2021-2022	**I-55 South Full depth Reconstruction, Jackson, MS to Byram, MS.** Assisted in collection of Asphalt quantities for shoulder paving, collecting information for object markers, assisted in sampling and testing of concrete for drainage structures. Assisted in quantity organization.
2021-2022	**Highway 475 from South of I-20 to Highway 468, Pearl, MS.** Mill and Overlay on 2 lane highway with upgrading traffic signal hardware. Collecting quantities of milling, asphalt paving, and traffic signal hardware. Running estimates, Project management. **I-20 East Bridge Replacement, Jackson, MS.** Collecting quantities for concrete pours for columns, caps, drainage structures, and slope paving. Assisted in sampling and testing of concrete for the above listed structures.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Dean Kidd, PE			Years of relevant experience with this employer	2
Title	Civil Engineer / Assistant Bridge Inspector			Years of relevant experience with other employer(s)	28
Degree(s) / Years / Specialization			BS / 1992 / Civil Engineering		
Active registration number / state / expiration date			15146 / MS / 12/31/2022		
Year registered	2001	Discipline	Civil Engineering / Inspector		
Contract role(s) / brief description of responsibilities			Mr. Kidd will serve as an Assistant Bridge Inspector for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
30 years of experience	Mr. Kidd has over 30 years of experience working in Mississippi for private industry and MDOT on infrastructure improvements. His project experience includes the inspection of erosion control, traffic stripe, bridge work, box culvert work, asphalt placement, cable rail installation, attenuator installation and repair, and concrete barrier installation. He served as Project Engineer in construction while at MDOT and retired as the District Maintenance Engineer. In both roles, storm water best management practices were required. Upon retirement from MDOT, he worked for consulting firms, including Volkert, performing construction inspection on projects which included storm water management. He also serves as an assistant bridge inspector.
08/20-07/21	**Inspector for Bella Vista Bypass in Benton County, Arkansas for the Arkansas Department of Transportation (ARDOT)**. This project constructs approximately 2.8 miles of highway with bridge structures and includes a new Bella Vista Bypass interchange with Highway 71 in Bentonville. The bypass will allow motorists to circumvent Bella Vista to the west and south on a four-lane interstate. The project is also known as the Interstate 49 Missouri/Arkansas Connector, a nod to its regional importance. When complete, the bypass will provide direct access to businesses and community residents to the south and west of Bella Vista, improve transportation connectivity in northwest Arkansas, and improve safety. The $66 Million project is part of the $1.8 billion Connecting Arkansas Program (CAP), which is funded through a 10-year, half-cent sales tax. In August 2020 Volkert was awarded this task as part of our 2019-2021 on-call CEI services for ARDOT. Volkert is responsible for providing construction management services including construction inspection, and Critical Path Method (CPM) scheduling in accordance with ARDOT policies and procedures related to this project.
05/18-05/19	**Inspector for SR 149 and SR 13 Widening from River Road to Zinc Plant Road in Clarksville, TN for Thompson Engineering.** The $65 million SR 149 and SR 13 project in Montgomery County, Tennessee, outside of Clarksville, is a complicated job that includes new construction to widen the existing route from 3 to 5 lanes of approximately 3.1 miles of roadway. The project includes a new alignment of roadway and the

	replacement of the existing G.G. McClure Bridge spanning the Cumberland River. The new bridge will be a welded steel plate girder superstructure with a total of 8 spans. There will be a 350-ft span across the Cumberland River channel supported by two piers in the river and several spans crossing the flood plain on the north side of the river. Volkert is providing construction inspectors on the project who provide CEI services for both the roadway and bridge construction activities. Volkert CEI staff work to inspect all grading, drainage and roadway construction and modifications, as well as provide all inspection and testing to support bridge construction.
05/18-05/19	**Senior Inspector for Highway 13 Bridge Replacement over Cumberland River in Clarksville, Tennessee**. Mr. Kidd was responsible for inspection of placement of road and drainage embankment; assisting with self-consolidating concrete pours on drill shafts; inspection of rock drill for voids in drill shaft locations; inspection of coring of drill shafts once concrete was placed; and inspection of minor erosion control installation.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Ken Powers, PE			Years of relevant experience with this employer	14
Title	Electrical Engineer Inspector			Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization			BS / 1996 / Electrical Engineering		
Active registration number / state / expiration date			27471 / AL / 12/31/2023		
Year registered	2005	Discipline	Electrical Engineer		
Contract role(s) / brief description of responsibilities			Mr. Powers will serve as an Electrical Engineer Inspector for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
23 years of experience	Mr. Powers served as an Electrical Engineer at Volkert for eight years. In 2014, he rejoined the firm as the Electrical Department Manager. His experience includes roadway lighting systems, interior and exterior lighting systems, airport lighting improvements, emergency generator systems, power system design, power and lighting renovations, lighting calculations, and utility company coordination.
2020-2022	**Electrical Engineer for Phase I improvements (Preliminary Design) to the intersection at US 98 and 23rd Street in Bay County for the FDOT.** The lighting design consists of permanent lighting for the elevated roadways and underpass lighting. Conventional "cobra head" type fixtures were used in lieu of high mast fixtures to reduce light trespass on adjacent properties. Lighting calculations were performed for the bridge, intersections, and underpass lighting.
2019-2020	**Electrical Engineer to perform extensive field work for the Alabama Department of Transportation in the Wallace and Bankhead Tunnels in Mobile, AL.** This effort was to document in-place electrical systems and to provide updated record drawings of power, lighting, and communications systems associated with the tunnels or systems passing through the tunnels (in the case of utilities). This effort included documentation of infrastructure associated with interstate lighting, emergency power, DMS, VMS, and CCTV systems.
2011-2016	**Electrical Engineer for I-59/I-20 Bridge Rehabilitation for the Alabama Department of Transportation (ALDOT) in Jefferson County, Alabama.** This project will be constructed as two separate projects. The first project is identified as the 17th Street Corridor project and the second was the I-59/20 CBD Bridge Replacement project. As part of both projects, there were seven bridge replacements, 14 bridge widenings, and 10 new bridges along new ramp accesses as well as retaining walls constructed. Access into and out of downtown Birmingham from the I-59/20 CBD Bridges consisted of left-hand on/off ramps which were eliminated as part of this project. Access into and out of downtown was redesigned such that left-hand ramps were eliminated for the most part and more conventional righthand ramps were provided. New LED interstate lighting was provided, which

	included an extensive photometric analysis. Additional tasks include voltage drop calculations, conduit and conductor sizing, utility coordination, FAA coordination, and meetings with City and State personnel. The design also provided the electrical infrastructure (power and controls) for a decorative lighting system being designed by others. Mr. Powers served as the electrical project manager and Electrical Engineer of Record.
2013-2017	**Electrical Engineer for a Roundabout on McGregor Road at Museum Drive in Mobile, Alabama for the City of Mobile.** The Museum/McGregor Roundabout is designed to alleviate morning and afternoon rush hour bottlenecks in the area. The 700-foot roundabout project is the first for the city and included Construction of roadway, storm drainage, lighting, pipes, inlets, manholes, asphaltic concrete road structure, sidewalks, brick crosswalks, and curb and gutter along the project. Volkert provided survey, roadway design, drainage, utility relocation coordination, geotechnical investigations, decorative LED lighting design, and landscaping services.
2014-2016	**Project Manager for Corridor X Lighting for the Alabama Department of Transportation (ALDOT).** The project consisted of a high mast lighting design for a portion of Corridor X (Interstate 22) at the Interstate 65 interchange. The design included photometric analysis, voltage drop calculations, conduit and conductor sizing, and utility coordination. Mr. Powers served as the project manager and was responsible for overall project completion.
2002-2004	**Electrical Engineer for interchange lighting at I-65/US 43 and Corridor X/US 78, for ALDOT.** Electrical services for both projects consisted of coordination with power company, site visits, and meeting with residents to discuss their needs or concerns, lighting and voltage drop calculations, and plan preparation for the roadway and interchange lighting. Mr. Powers performed lighting calculations, determined pole heights, pole locations, voltage drops, and wire sizes.
10/16-03/19	**Electrical Engineer for Bridge Inspections at John C. Stennis Space Center in Mississippi, Syncom Space Services.** Since 2016, Volkert has been contracted by Syncom Space Services (S3) to perform bridge inspection services for the structures located within the John C. Stennis Space Center (SSC) for the National Aeronautics and Space Administration (NASA). Volkert has conducted the biannual, element level inspections of the bridges and culverts including development of inspection plans and load rating analyses and detailed Level 1 scour assessments of each structure. In addition to the routine inspections, Volkert developed the movable bridge inspection plan for the routine and in-depth inspections of the double leaf bascule bridge, and performed the fracture critical, mechanical, and electrical inspections for the structure. In 2018 Volkert performed an inspection of the newly upgraded electrical system and conducted a Failure Mode & Effect Analysis (FMEA) of the bascule bridge and navigational lock which are vital for the transport of cryogenic propellants to the testing sites located on SSC.

16. **Staff Experience:**

Firm employed by VOLKERT			
Name	Raymond "Ray" W. Miller, Jr. PE	Years of relevant experience with this employer	20
Title	Mechanical Engineer / Inspector	Years of relevant experience with other employer(s)	9

Degree(s) / Years / Specialization	MBA / AL / 1999 BS / 1991 / Mechanical Engineering
Active registration number / state / expiration date	34526 / LA / 09/30/2023
Year registered 2009 Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities	Mr. Miller will serve as Mechanical Inspector for the duration of this project.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
29 years of experience	Mr. Miller has been with Volkert since 2002 and has over 29 years of experience in engineering. His experience includes municipal sludge dewatering facility design; lift station back up pump installation; new lift station construction; lift station upgrades; wastewater plant rehabilitation projects; wastewater treatment plant upgrades; water treatment plant projects; water distribution system projects; structuring an annual maintenance contract; lift station capacity upgrade; upgrades for a variety of petrochemical, forest products, and specialty chemical customers; a filter press feed pump reliability study; balancing resin duct scrubber systems; waste treatment plant neutralization conversion; emergency block valve installation; and HVAC load calculations for commercial buildings.
10/16-03/19	**Project Manager for Bridge Inspections at John C. Stennis Space Center in Mississippi, Syncom Space Services.** Since 2016, Volkert has been contracted by Syncom Space Services (S3) to perform bridge inspection services for the structures located within the John C. Stennis Space Center (SSC) for the National Aeronautics and Space Administration (NASA). Volkert has conducted the biannual, element level inspections of the bridges and culverts including development of inspection plans and load rating analyses and detailed Level 1 scour assessments of each structure. In addition to the routine inspections, Volkert developed the movable bridge inspection plan for the routine and in-depth inspections of the double leaf bascule bridge, and performed the fracture critical, mechanical, and electrical inspections for the structure. In 2018 Volkert performed an inspection of the newly upgraded electrical system and conducted a Failure Mode & Effect Analysis (FMEA) of the bascule bridge and navigational lock which are vital for the transport of cryogenic propellants to the testing sites located on SSC.
04/18-12/18	**Mechanical Inspector for the Elizabeth River Crossing Midtown Tunnel Inspections for Colins Engineering/Virginia Department of Transportation in Hampton Roads, Virginia.** The 2018 inspections of

	the Midtown Tunnels included mechanical inspections of the Eastbound and Westbound tunnels under the Elizabeth River in Virginia. The mechanical inspection included noise and vibration level monitoring as well as visual inspections of the fans. The drainage pump systems were also inspected during this inspection.
07/19-08/19	**Mechanical Inspector for the Inspection of the Electrical System and Fire and Life Safety System for the George Wallace and Bankhead Tunnels in Mobile, Alabama for ALDOT.** As part of the Areawide bridge inspection services for ALDOT, Volkert performed safety inspections of the Electrical and Fire and Life Systems for the George Wallace and Bankhead Tunnels located in Mobile, Alabama. The George Wallace Tunnel is comprised of a pair of immersed tubes that carry Interstate 10 (I-10) and the Bankhead tunnel is a single immersed tube which carries US Route 98 (Government St) under the Mobile River. An inspection of the electrical, fire detection, emergency communications, tunnel operations and security system, and lane traffic signals was performed in accordance with the Federal Highway Administration (FHWA), National Tunnel Inspection Standards (NTIS), Tunnel Operations, Maintenance, Inspection, and Evaluation (TOMIE) Manual, and Specifications for the National Tunnel Inventory (SNTI). Mr. Miller performed the mechanical inspections which required entrance into the tubes with traffic during nighttime hours with traffic control provided by ALDOT to reduce the impact on normal traffic patterns. The inspection teams worked closely along with ALDOT inspection teams while ALDOT performed the civil inspection of the tunnels. Volkert and ALDOT teams worked together to utilize traffic control on the same nights to speed up inspection time and to work as efficient as possible while having limited impact on the traveling public. Volkert provided inspection findings and repair recommendations in a detailed element level inspection report containing photographs of al**l.**
05/19-05/20	**Mechanical Lead for the Kennedy Space Center Bridge Inspection Services as a Subconsultant to PAE AGT Partners, LLC for NASA.** This project consisted of the inspection and analysis of al bridge structures as the Kennedy Space Center. Mr., Miller performed the mechanical inspections for the movable bridges on this project. These included the Jay-Jay Railroad Bridge, the NASA Causeway over the Banana River Bridge, and the Haulover Canal Bridge.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Hossein Ghara, PE, MBA			Years of relevant experience with this employer	3.5
Title	Bridge Design Manager			Years of relevant experience with other employer(s)	44
Degree(s) / Years / Specialization			MBA / 1986 / Business Administration BS / 1976 / Civil Engineering		
Active registration number / state / expiration date			18899 / LA / 03/31/2023		
Year registered	1980	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Ghara will perform bridge design duties for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
47 years of experience	Prior to joining Volkert in 2018, Mr. Ghara worked for a consulting engineering firm for over 4 years. Prior to that, he served as the LA DOTD State Bridge Engineer for 12 years. In this capacity, he administered and managed a major Section in Louisiana DOTD as an appointing authority overseeing staff ranging from 65 to 110 people, comprising of primarily Civil and Structural Engineers, Electrical and Mechanical Engineers as well as many Engineering Technician. He served in several AASHTO Technical Committees nationwide such as Chair the Tech. Committee on Bridge and Tunnel Security, T-1 and member of the Tech. Committee on Concrete Design, T-10. He recently renewed his ATSSA Traffic Control Supervisor, Technician and Flagger certifications. While serving as State Bridge Design Engineer, he oversaw the rehabilitation work done to the Huey P. Long Bridge and construction of the John James Audubon bridge, which was Louisiana's first Design-Build bridge and is currently North America's longest Cable Stay Span Bridge.
09/18- 07/20	**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LADOTD)** | Mr. Ghara served as Review Engineer for the Owner Verification Team on Task Order 4 which allowed Volkert to provide project oversight and acceptance for both design and construction for the I-10 Design-Build project from Highland Road in East Baton Rouge Parish to LA 73 in Ascension Parish. He was responsible for all project oversight for the Design and Construction on this $72M Design-Build project. This project consisted of upgrading a portion of I-10 in East Baton Rouge and Ascension Parish to a six- lane controlled access facility. | State Contract No. 4400004915 TO 4, S.P. No. H.009250
12/17-12/20	**I-220/I-20 Interchange Improvements to BAFB Access Design-Build Bossier Parish, LA, (LADOTD)** | Mr. Ghara is serving as Structural Engineer for Volkert's team. He is responsible for all project oversight for the Design and Construction on this$71.8M Design-Build project. The I-220/I-20 Interchange Improvement and BAFB Access project in Bossier Parish consists of the extension of I-220 to the south over I-20 as a limited access 4-lane arterial to a new terminus on Barksdale Air Force Base (BAFB) and includes construction of four

	interchange ramps providing interchange connectivity for the new access road. The project includes the construction of two sets of bridge structures, one set for the I-20 over pass and the second set for the overpass of the KCS RR. The project terminus will tie to a BAFB roadway project creating a new access location for the base. | State Contract No. 4400016173, S.P. No. H.003370.6
02/20-Ongoing 9/24 est.	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements, Plaquemine Parish (LADOTD) |** Mr. Ghara is serving as project manager for the Belle Chasse Bridge and Tunnel Improvements. Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of O&M plans. As the OVT, Volkert will provide guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the P3 adheres to their contract, and address other assignments as directed.
05/20-05/21	**Structural Engineer for I-220/I-20 Interchange Improvements to BAFB Access Design-Build, Bossier Parish, LA for the LADOTD.** Mr. Ghara is responsible for bridge design review for Volkert's team. The I-220/I-20 Interchange Improvement and BAFB Access project in Bossier Parish consists of the extension of I-220 to the south over I-20 as a limited access 4-lane arterial to a new terminus on Barksdale Air Force Base (BAFB) and includes construction of four interchange ramps providing interchange connectivity for the new access road. The project includes the construction of two sets of bridge structures, one set for the I-20 over pass and the second set for the overpass of the KCS RR. The project terminus will tie to a BAFB roadway project creating a new access location for the base.
09/18-06/19	**US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build, Lafayette Parish, LA (LA DOTD) |** Mr. Ghara served as Review Engineer for the Owner Verification Team on Task Order 6 which allowed Volkert to provide project oversight and acceptance for both design and construction for the US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build Project in Lafayette Parish. Volkert's Baton Rouge office was responsible for all project oversight for the Design and Construction on this $57M Design-Build Project. This project consists of upgrading a portion of US 90 in Lafayette Parish to a six-lane controlled access facility. | State Contract No. 4400004915 TO 6, S.P. No. H.010620

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Jacob Parker, PE			Years of relevant experience with this employer	3.5
Title	Bridge Design and Load Rating Support Engineer			Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			BS / 1998 / Civil Engineering		
Active registration number / state / expiration date			30596 / LA / 09/30/2023		
Year registered	2003	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities			Mr. Parker will serve as Bridge Design and Load Rating Support Engineer for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
20 years of experience	Mr. Parker has over 20 years of structural engineering experience including in the design of prestressed concrete bridge design with spans up to 150 feet and in the design of geometrically challenging and complex bridges, such as curved, super-elevated, skewed piers, and movable spans. He also has experience with structural analysis, reinforced concrete design, prestressed concrete design, wood and timber design, advanced mechanics of materials, finite element analysis, shallow foundations, inland waterways, and engineering for natural hazards. Mr. Parker also has the following training: LRFD Training (Seismic Design/Movable, etc.), LEAP Bridge, STAAD, MDX, WinSEISAB, CONSEC, Response 2000, AASHTO GM-2.1, Virtis, Retain Pro, PCA Column, MATHCAD, Smath, Microstation, AutoCAD & AutoCAD 3D.
02/20-02/24 est.	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements, Plaquemine Parish (LADOTD) |** Mr. Parker is assisting with Volkert's responsibilities which is to provide all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of O&M plans. As the OVT, Volkert will provide guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the DBT adheres to their contract, and address other assignments as directed.
09/18-07/20 est.	**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LA DOTD) |** Mr. Parker served as Review Engineer for the OVT on Task Order 4 which allowed Volkert to provide project oversight and acceptance for both design and construction for the I-10 Design-Build project from Highland Road in East Baton Rouge Parish to LA 73 in Ascension Parish. He was responsible for all project oversight for the Design and Construction on this $72M Design-Build project. This project consisted of upgrading a portion of I-

	10 in East Baton Rouge and Ascension Parish to a six-lane controlled access facility including construction of a new six-lane I-10 overpass at Highland Road. | State Contract No. 4400004915 TO 4, S.P. No. H.009250.
05/19-12/21 est.	**I-220/I-20 Interchange Improvements to BAFB Access Design-Build, Bossier Parish, LA (LA DOTD) |** Mr. Parker is responsible for assisting with the bridge design review for Volkert's team. The I-220/I-20 Interchange Improvement and BAFB Access project in Bossier Parish consists of the extension of I-220 to the south over I-20 as a limited access 4-lane arterial to a new terminus on Barksdale Air Force Base (BAFB) and includes construction of four interchange ramps providing interchange connectivity for the new access road. The project includes the construction of two sets of bridge structures, one set for the I-20 over pass and the second set for the overpass of the KCS RR. The project terminus will tie to a BAFB roadway project creating a new access location for the base. | State Contract No. 4400016173, S.P. No. H.003370.6
09/18 - 12/20 est.	**Causeway Shoulder Bay Improvements, Jefferson Parish, LA (Greater New Orleans Expressway Commission) |** Mr. Parker responsibilities included design of basic safety plan and elevation, design of girders, design of cable tray attachment and miscellaneous electrical details, design of sign support details and design of transition barriers. Volkert was selected to design essential and long-awaited shoulder additions. The bridge shoulders, comprising 12 "shoulder bays," provide a safe space for disabled vehicles to pull over out of traffic. They will also increase safety for motorists and emergency personnel in the event of a crash. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana.
2018 – 02/19 est.	**Almonaster Bridge Study, Orleans Parish, Port of New Orleans |** The Almonaster Bridge Study was developed to assist the Port of New Orleans selecting a replacement option for the Almonaster Bridge over the Inner Harbor Industrial Canal. It reviewed several replacement options as well as rehabilitation and compared costs for design, construction and permitting, different applications of design criteria, constructability, and possible funding sources. Other things considered were the elimination of railroad crossings in the area and proposed additional connection roadways to accommodate these eliminations. The study required the review of load rating/inspection reports as well as substructure preliminary design for each alternative by Volkert.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Gaston Ibarra, EI			Years of relevant experience with this employer	4
Title	Engineering Intern			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2018 / Civil Engineering		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Mr. Ibarra will perform bridge design duties for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
4 years of experience	Mr. Ibarra joined Volkert's Baton Rouge office in July 2018 and graduated from LSU in December 2018. He took his fundamentals exam in October 2018. Since joining Volkert his experience has included roadway and bridge infrastructure design assistance. He has lived in Central and South America for approximately 19 years and fluently communicate verbally and written in both Spanish and English.
09/18-12/18	**Reconstruction of Chalmette Slip Design for the St. Bernard Port Harbor & Terminal District.** Mr. Ibarra is serving as engineering support assisting with the design of the super and substructures. Volkert was selected as Design Engineer and during the early design report development it became clear that the owner had more scope than available dollars. With TIGER Grant funding all funds need to be utilized and it was unfeasible to combine traditional bid alternatives to achieve this. Volkert requested that the project be considered for CMAR procurement, and the owner agreed. 15% Design documents and alternatives were provided for the CMAR contractor procurement. Boh Bros. was selected as the CMAR contractor and the pilot piling package for a test pile is under negotiation and design at 60%. Construction should begin in mid-2020. Volkert is responsible for design, partnering, independent cost estimating and working with the contractor for Value Engineering. Mr. Jeter created baseline schedules and coordination with clients to maintain schedule throughout the project.
05/18-05/19	**Roundabout at Highway 929 and Highway 930 in Prairieville, LA, (Ascension Parish)**. Mr. Ibarra served as Project Engineer for the Move Ascension program. Volkert was assigned a task order as part of the Move Ascension program to develop plans for a Roundabout Highway 929 and Highway 930, Prairieville, LA. The roundabout will replace the existing stop-controlled intersection and consists of a single lane asphalt roundabout. The roundabout was designed through SIDRA, AASHTO, and Louisiana DOTD standards. As project manager. The project required a traffic analysis, development of construction plans, drainage improvements, lighting, topographic survey, ROW mapping, geotechnical services and SUE services.
10/12-06/20	**Plank Road, East Baton Rouge Parish, LA (Baton Rouge Metropolitan Airport)**. Mr. Ibarra served as Project Engineer for this is project to relocate Plank Road along a new alignment. The project includes ROW

	acquisition and all the design for a new 4 lane highway with J-turns. It also includes ROW acquisition and all the design for additional lanes along Harding and Hooper Road. It also includes a new lighting system and new signalized intersection. Volkert is providing design, environmental permitting, and ROW acquisition for the relocation of Plank Road on a new alignment. This project is an airport project, funded by FAA, but the road will be transferred to LA DOTD. Volkert is also providing coordination between sub-consultants, the airport, FAA, and LA DOTD.
06/17-11/17	**Causeway Shoulder Bay Design, Jefferson and St. Tammany Parishes, LA (Greater New Orleans Expressway Commission)**. Mr. Ibarra served as Project Engineer and provided quantity takeoffs during various stages of design. Volkert was selected to design essential and long-awaited shoulder additions. The bridge shoulders will provide a safe space for disabled vehicles to pull over out of traffic. They will also increase safety for motorists and emergency personnel in the event of a crash. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana.
07/18-01/20	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements, Plaquemine Parish (LADOTD)**. Mr. Ibarra is serving as project engineer for the Belle Chasse Bridge and Tunnel Improvements. Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of O&M plans. As the OVT, Volkert will provide guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the P3 adheres to their contract, and address other assignments as directed.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Joseph Smith, PE, CBI			Years of relevant experience with this employer	3
Title	Certified Bridge Inspector			Years of relevant experience with other employer(s)	42
Degree(s) / Years / Specialization			MS / 1974 / Industrial Engineering BS / 1963 / Civil Engineering		
Active registration number / state / expiration date			10080 / LA / 9/30/2022		
Year registered	1965	Discipline	Civil Engineer, Environmental Engineer, Industrial Engineer		
Contract role(s) / brief description of responsibilities			Bridge Inspection support		

Experience dates (mm/yy–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).
45 years of experience	Since graduating with a BS in Civil Engineering in 1963, Mr. Smith has been involved in all phases of highway bridge inspection, repair and maintenance, mostly with the Louisiana Department of Transportation and Development. He has over 43 years of experience in bridge inspection, having served on numerous AASHTO, NCHRP and TRB committees and panels dealing with bridge inspection and repair issues. He served as the Bridge Maintenance Engineer for LA DOTD for 14 years. Since January 2003, Mr. Smith has been employed as a contract employee / consultant by several consulting engineering firms. Recent projects involve field inspection of 100+ hurricane-impacted buildings and structures throughout South Louisiana and Mississippi.
02/19-10/19	**As Needed Structural Inspections/Load Ratings for the Port of New Orleans.** In 2019, Volkert was chosen to provide as needed routine and underwater structural inspection and load rating services for structures at the Port of New Orleans (PONO) on a task order basis for a period of at least 3 years. Structural inspection reports were also provided after each inspection or load rating safety evaluation. This could include non-moveable structures, wharves composed of steel, concrete or timber piles that support operational loads for railway, container cranes, breakbulk and container handling as well as truck and equipment loading conditions.
02/19-Present	**PONTIS Inspection Statewide LDOTD**. The LA DOTD let three phases of contracts in order to implement Pontis, a software bridge management program approved by the Federal Highway Administration. In addition to an element level bridge inspection program, Pontis collects bridge management data for improved statewide deterioration models and cost estimates for maintenance and replacement of the state's bridges. All the required National Bridge Inspection (NBI) and Structural Inventory and Appraisal (SIA) data is also included in the database for submittal to FHWA. Volkert, assisted by Cambridge Systematics, provided software programming, and participated on the LA DOTD team to develop deterioration models and corresponding cost estimates for various elements of a bridge.

2003-2019	**Consultant.** Annual field inspection of Lake Ponchartrain Causeway Bridges (24 miles each), Jefferson and St. Tammany Parishes, LA
2003-2019	**Consultan**t. Field collection of PONTIS bridge inventory data for over 1,000 LA DOTD bridges. Field inspection of dozens of LA DOTD bridges. Field Inspection pf hurricane-impacted sign truss structures and roadway lighting structures in South Louisiana. Field inspection of dozens of structures in St. Martin and Lafayette Parishes.
2005-2019	**Self-Employed**. Field inspection design, drawings, and report preparation to assist homeowners, builders, and contractors with permit applications. Assist in the resolution of issues with city and county building officials. Harrison and Hancock Counties, MS.
2005-2007	**Subconsultant**. Performed field inspection of 100+ hurricane-impacted buildings and other structures throughout Louisiana and Mississippi. Prepared field sketches, notes and photographs of impacted structures. Completed field checklists and generated reports. Interviewed property owners to discover additional relevant information. Supervised and trained other engineers and technicians to collect, analyze, and document field data. Reviewed and approved reports prepared by subordinate engineers.
2005-2006	**Subconsultant.** Field collection of PONTIS bridge inventory and inspection data for over 2,000 LA DOTD bridges.
1998-2002	**Subconsultant**. Consulting engineer for several underwater bridge inspection and repair projects in Mississippi, Tennessee and Texas.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Sandy Sumner			Years of relevant experience with this employer	10
Title	Data Management			Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			BS / 1989 / Business Management		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	Data Management		
Contract role(s) / brief description of responsibilities			Ms. Sumner will provide data management services for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
27 years of experience	Ms. Sumner provides administrative support to the vice president, as well as the structural inspection department project engineers. She assists with schedules coordination for Volkert's field bridge and scour inspection teams. She inputs data into several different software programs. She also organizes travel arrangements, agendas and itineraries for staff; creates, organizes, and manages database entry updates; and performs general clerical duties. Ms. Sumner is also responsible for mapping bridges and detours and notifying the department of any needed updates to the Google Earth® mapping database.
2015-2018	**Technician, Region-wide Bridge Inspection Services for Tuscaloosa/Fayette Areas for Alabama Department of Transportation (ALDOT) West Central Region.** Volkert provided over 100 bridge inspections along various routes throughout the Region on a weekly basis. These inspections required traffic control, and snooper and lift vehicles (in some cases). Volkert bridge inspection team obtained measurements of bridge components in order to conduct a bridge element analysis and entered all data in their ABIMS and BrM programs as well as provided bridge inspection reports.
07/05-03/22 est.	**Technician, Nationwide Bridge Inspection Services for the Eastern Federal Lands Highway Division (EFLHD) of FHWA**. Volkert has been selected for three consecutive cycles, beginning in 2005, by the EFLHD to provide NBIS and element level inspections for National Park Service (NPS) structures and other federal agencies. This is an IDIQ contract assigned by individual task orders to identify structural or functional deficiencies and make recommendations and cost estimates for repairs. These facilities include national parks, battlefields, monuments, historic sites, parkways, and other federal facilities. For each task order, Volkert is responsible for providing routine, interim, or initial inspections of structures including culverts, tunnels, retaining walls, and bridges comprised of concrete, masonry, timber, and steel – including the fracture critical and fatigue prone details.

2012-2019	**Technician, for multiple cycles of local Government Bridge Inspections, for the Florida Department of Transportation, (FDOT District 3)**. This local government bridge inspection project included bridge inspection services of approximately 450 locally owned bridges in District 3 including county and city-owned bridges in the Florida panhandle, while the project span began in 1988. Volkert was responsible for identifying all deficiencies as well as determining and recording the structural condition of each bridge based on element level condition criteria. As a part of the inspection, the main structural elements were given a National Bridge Inspection (NBI) rating; and a detailed report, including photographs and deficiency sketches were submitted to FDOT. Volkert's full-service approach provided the district with load ratings for new bridges and deficient bridges; routine biennial bridge inspections; interim inspection of deficient and load posted bridges; underwater inspections; snooper inspections; initial inspections of new structures; and all levels of scour assessment. Underwater inspections were performed every two years in conditions ranging from tidally influenced waterways to low visibility creeks.
2012-2019	**Technician, Structural inspections on FDOT bridges in Franklin, Gulf, Jefferson, Liberty, and Wakulla Counties, Florida for Transfield Services**. The project consisted of bridge inspection services for are 148 state-owned bridges and 130 local-government-owned bridges in 5 counties (Franklin, Gulf, Jefferson, Liberty, and Wakulla) in Florida. The project includes detection of all deficiencies as well as determination and recording of each structure's condition based on PONTIS element-level condition states. Ms. Sumner worked on this project from 2012-2019.
2017-Present	**Technician, Underwater Bridge Inspection statewide for the Mississippi Department of Transportation (MDOT)**. Volkert teamed with Collins Engineers to provide underwater inspection services, as a subconsultant, throughout the state of Mississippi, beginning 2017. Level I and Level II underwater inspections were performed on steel, concrete, and timber substructure elements of bridges owned and maintained by MDOT. For concrete substructure elements, the location and severity of cracking, scaling, spalling, and exposed rebar was noted. For steel elements, any corrosion or section loss was detailed; and for timber piling or abutments any decay or deterioration caused by fungi, insects, or marine borers was expressed.
09/17-08/20	**Technician, Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction (OSARC).** Volkert teamed with Collins Engineers to provide underwater inspection services, as a subconsultant, throughout the state of Mississippi, beginning 2017. Level I and Level II underwater inspections were performed on steel, concrete, and timber substructure elements of bridges owned and maintained by MDOT. For concrete substructure elements, the location and severity of cracking, scaling, spalling, and exposed rebar was noted. For steel elements, any corrosion or section loss was detailed; and for timber piling or abutments any decay or deterioration caused by fungi, insects, or marine borers was expressed.

16. **Staff Experience:**

Firm employed by VOLKERT					
Name	Gloria Nguyen			Years of relevant experience with this employer	4
Title	Data Management			Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			BS / 2014 / Mechanical Engineering - Applied Mathematics		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	Data Management		
Contract role(s) / brief description of responsibilities			Ms. Nguyen will provide data management services for the duration of this project.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
4 years of experience	Ms. Nguyen joined Volkert in 2018 and is responsible for electronically drafting engineering drawings, and utilizing theoretical and practical design knowledge to aid in plans preparation for bridge and roadway projects. Ms. Nguyen works closely with engineers and other designers to ensure coordinated design systems. She compiles data and performs dimensional and routine calculations required for the preparation of drawings and the determination of engineering quantities.
08/19-09/20	**Technician, for Routine Bridge Inspection as a sub-consultant to RIO Engineering for TxDOT.** In 2018, RIO Engineering was awarded an on-system bridge inspection contract for stream crossings, bridge culverts, and truss bridges in the San Antonio District. The bridges received topside and underwater inspections (as necessary) and a detailed inspection report of all findings including cost estimates for any repairs or replacements. As part of this contract Volkert served as a subconsultant to RIO providing inspection services for 69 structures in the San Antonio District.
10/18-Present	**Technician, Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction (OSARC)**. The work assignments included any timber sub structure or timber superstructure as requested by OSARC. Volkert's bridge inspectors conducted an NBIS safety inspection; developed load ratings for each bridge, and provided recommendations when the rating needed to be adjusted; developed maintenance and repair recommendations as required; and developed plans/cost estimates for maintenance and repair recommendations.
10/18-Present	**Technician, Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction (OSARC)**. The bridges included in this contract consisted of steel bridges with fracture critical members, specifically continuous plate girders, steel girders, railroad flat cars, and movable bridges. These bridges also included approach spans made of timber, precast concrete, or prestressed concrete beam spans. For each bridge inspected, Volkert developed a bridge inspection plan which outlined access method and

	equipment required, traffic control requirements, railroad permit requirements including contact information and permit acquisition procedures, and inspection time and personnel requirements.
02/19-Present	**Technician, Underwater Bridge Inspection statewide for the Mississippi Department of Transportation (MDOT)**. Volkert teamed with Collins Engineers to provide underwater inspection services, as a subconsultant, throughout the state of Mississippi. Level I and Level II underwater inspections were performed on steel, concrete, and timber substructure elements of bridges owned and maintained by MDOT. For concrete substructure elements, the location and severity of cracking, scaling, spalling, and exposed rebar was noted. For steel elements, any corrosion or section loss was detailed; and for timber piling or abutments any decay or deterioration caused by fungi, insects, or marine borers was expressed.
10/16-03/19	**Technician, Bridge Inspections at John C. Stennis Space Center in Mississippi, Syncom Space Services**. Since 2016, Volkert has been contracted by Syncom Space Services (S3) to perform bridge inspection services for the structures located within the John C. Stennis Space Center (SSC) for the National Aeronautics and Space Administration (NASA). Volkert has conducted the biannual, element level inspections of the bridges and culverts including development of inspection plans and load rating analyses and detailed Level 1 scour assessments of each structure. In addition to the routine inspections, Volkert developed the movable bridge inspection plan for the routine and in-depth inspections of the double leaf bascule bridge, and performed the fracture critical, mechanical, and electrical inspections for the structure. In 2018 Volkert performed an inspection of the newly upgraded electrical system and conducted a Failure Mode & Effect Analysis (FMEA) of the bascule bridge and navigational lock which are vital for the transport of cryogenic propellants to the testing sites located on SSC.

Firm employed by	Collins Engineers, Inc.		
Name	Drew Garceau, PE, CWI	Years of relevant experience with this employer	16
Title	Structural Inspection Program Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2007 / Civil Engineering MBA / 2017 / Master of Business Administration		
Active registration number / state / expiration date	PE 46494 Louisiana, Exp. 9/30/2022		
Year registered: 2022	Discipline: Civil Engineering		
Contract role(s) / brief description of responsibilities	Inspection Team Leader; Rope Access Supervisor. Meets MPR 3 & 4.		

Mr. Garceau has 16 years of extensive experience performing complex, fracture critical, and in-depth above water bridge inspections; rope access climbing inspections of bridges; and ultrasonic pin and hanger inspections. His inspection capabilities are supplemented by being a Certified Welding Inspector as well as NDT Level II Ultrasonic Testing certified. Climbing inspections are supplemented by being certified to the highest level, Level III, by the Society of Professional Rope Access Technicians (SPRAT). He has performed the inspection of more than 2,000 bridges and is a NHI Certified Instructor.

Training: Society of Professional Rope Access Technician – SPRAT Level III; FHWA-NHI Course 130055 - Safety Inspection of In-Service Bridges; FHWA-NHI Course 130053 - Bridge Inspection Refresher Training; FHWA-NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridges; FHWA-NHI Course 130087 - Inspection and Maintenance of Ancillary Highway Structures; FHWA-NHI Course 130099A - Bridge Inspection Non-Destructive Evaluation Showcase (BINS); FHWA-NHI Course 130091 - Underwater Bridge Inspection; FHWA-NHI Course 133117 – Maintenance of Traffic for Supervisors; NDT Certified - Level II Magnetic Particle and Ultrasonic Testing; Confined Space Entry; Fall Protection Training; Advanced Structural Climbing Safety and Rescue.

Experience dates (mm/yy–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).
06/08-09/21	**Montana DOT, Climbing Bridge Inspections Term Contracts (2008-2021), Statewide, MT – Project Manager/QC Officer/Team Leader** Drew was responsible for being the project manager, leading rope access inspection teams, report generation, and quality control reviews of deliverables. Project included term contracts that encompassed 132 rope access climbing inspections for 54 of Montana's largest bridges and most difficult to access bridges for the 2008 through 2021 inspection seasons, which included in-depth, hands-on, fracture critical inspections of all bridge elements. Inspectors followed the SPRAT safe practices guidelines to perform the rope access techniques necessary to inspect the bridges for this project. Inspectors provided NBI and element level inspections for each bridge inspected. Detailed inspection reports were prepared for each bridge in addition to element level inspection data which was uploaded directly into Montana's Structure Management System (SMS). Project included the 2017 emergency inspection and mobilization of the Dearborn River Bridge which was temporarily closed due to the crossing of an overweight vehicle.
05/21-11/21	**Wisconsin DOT, St. Croix Crossing Bridge Inspection, Stillwater, MN – Project Manager/Rope Access Team Leader** Drew was responsible for being the project manager, leading rope access inspection teams, report generation, and quality control reviews of deliverables. Project included the two-week long inspection of the St. Croix Crossing Bridge, a new main river crossing that spans Minnesota Trunk Highway (TH) 95, the Union Pacific Railroad (UPRR), wetlands, and the St. Croix River between the communities of Oak Park Heights, MN and St. Joseph, WI. The St. Croix Crossing Bridge totals 5,579 ft in length with four main spans of 600 ft. It consists of eight concrete box girder approach spans and six extradosed main spans. Multiple access methods were employed including rope access, under bridge inspection vehicles, boats, man lifts, and drones. A significant amount of the inspection effort was geared toward the interior of the concrete boxes where confined space entry methods were utilized.

08/15-11/15 07/18-11/18 07/19-11/19 07/20-11/20	**Iowa DOT, Major River Crossing Bridge Inspections (2015 & 2018-2020), IA — Project Manager/ Team Leader** Drew was responsible for providing project management, coordination, planning, and performed field inspection. Project included the fracture critical inspection of large Mississippi River bridge crossings including a 400-ft tall, 2,267-ft long cable-stayed Bridge on USH-34 over the Mississippi River in Burlington, IA and a 1,653-ft long through truss bridge on Iowa Highway 9 over the Mississippi River in Lansing, IA, and IH-74 twin 5,018-ft long suspension bridges in Bettendorf, IA.
11/20-12/20	**Virginia DOT, High Rise Bridge Moveable Bridge Inspection – Rope Access Team Leader** Drew was responsible for leading rope access climbing inspections on this project. Collins performed the inspection of VDOT Bridge 131-2527, Interstate 64 over the Southern Branch of Elizabeth River (High Rise Bridge) for the Hampton Roads District of VDOT. This four-lane bridge consists of one, 280 ft long steel double leaf bascule span with thirty-nine steel multi-girder approach spans and is 4,825 ft long total. The inspections performed include the Routine Inspection in November 2020, the Fracture Critical Inspection in November 2021, and an In-depth Design Level Inspection in January 2022. An Aspen A-62 (UBIV) with traffic control (nighttime right lane closures) was utilized for the hands-on inspection of each of the approach spans. SPRAT compliant rope access was utilized to access the interior portion of Bascule Piers 21 and 22 and each movable leaf of Span 22.
06/11-08/18	**South Carolina DOT Ravenel Bridge System & Coastal Bridge Asset Management – Inspection Team Member** Drew was responsible for leading rope access climbing inspections on this project. Collins provided in-service bridge inspection, evaluation, and design services for the Arthur Ravenel Bridge System and coastal bridges in Beaufort, Berkeley, and Charleston counties. Inspections include biennial routine, emergency, fracture critical, construction, and warranty item specific frequency inspections. The Ravenel Bridge System is comprised of 18 bridges and encompasses over six miles of structures. The four coastal bridges in Berkeley and Charleston Counties encompass nearly 10.5 miles of structures and the two Beaufort County bridges encompass over 10 miles of structures. The bridges are considered complex, ranging from multi-level interchanges, cable-stayed systems, prestressed concrete beam and tub girders, post-tensioned girders and deck, steel plate girders, and flat slabs.
05/19-11/19	**Wisconsin DOT – Complex Inspection of Blatnik Bridge, Superior, WI – Project Manager/Rope Access Team Leader** Drew was responsible for being the project manager, leading rope access inspection teams, report generation, and quality control reviews of deliverables. Project included the complex, fracture critical, and ultrasonic testing (UT) of 202 bridge pins on the Blatnik Bridge (B-16-0005) in accordance with the NBIS and WisDOT Structure Inspection Manual. Four (4) snooper trucks were required to perform inspection of approach spans as well as underdeck of main spans. Manlifts (1) was used to inspect the truss tied arch span above the deck and access inspection locations from the ground underneath the bridge. SPRAT rope access climbing was available and used as necessary to perform the truss inspection. A drone/UAV was used to supplement the inspection teams. Additional NDT was performed as necessary to verify cracks and/or section loss.
02/16-12/16 & 02/18-12/18	**East End Crossing Cable-Stayed Bridge Inspection – Lewis & Clarke Bridge, Louisville, KY – Rope Access Team Leader** Drew was responsible for leading rope access inspection teams. Collins provided the initial in-depth inspection and annual routine inspections of the Lewis and Clark Cable-Stayed Bridge in Louisville, KY, totaling six inspection cycles. The Lewis and Clark Bridge opened to the public in 2016 and consists of a 2,500-ft.-long cable-stayed bridge crossing the Ohio River with a main span of 1,200 ft. The inspection included a hands-on inspection of all fracture critical members, including the floor beams, edge girders, and cable anchor boxes. SPRAT rope access climbing inspection techniques were used to perform a hands-on inspection of the concrete towers and all of the cable-stays. Rope lengths of up to 660 ft. were used to slide the entire length of the longest cables. A detailed inspection report was prepared, including photographs, figures, and element level quantities and ratings.

Firm employed by	Collins Engineers, Inc.			
Name	Beau Kamrath, PE		Years of relevant experience with this employer	5
Title	Civil/Structural Engineer		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			BS / 2013 / Structural Engineering	
Active registration number / state / expiration date			PE 46453 Louisiana, Exp. 9/30/2022	
Year registered	2022	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Inspection Team Leader. Meets MPR 3 &4.	

Mr. Kamrath has eight years of experience performing the safety inspection of bridges above and below water. His inspection experience includes above and underwater bridge inspections and is supplemented by being certified to the highest level, Level III, by the Society of Professional Rope Access Technicians (SPRAT and being commercially trained and certified as an ADCI Surface-Supplied Air Diver. He routinely performs bridge inspections on complex bridges and performs underwater diving inspections on statewide bridge inspection projects.

Training: Society of Professional Rope Access Technician – SPRAT Level III; FHWA-NHI Course 130055 - Safety Inspection of In-Service Bridges; FHWA-NHI Course 130053 - Bridge Inspection Refresher Training; FHWA-NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridges; FHWA-NHI Course 130091 - Underwater Bridge Inspection; FHWA-NHI Course 130087 - Inspection and Maintenance of Ancillary Highway Structures; FHWA-NHI Course 135046 - Stream Stability & Scour; Nondestructive Testing Certified - Level II Ultrasonic Testing; ADCI Surface-Supplied Air Diver; UAS Part 107 Pilot

Experience dates (mm/yy–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).
06/16-10/21	**Montana DOT, Climbing Bridge Inspections Term Contracts, Statewide, MT – Inspection Team Member** Beau was responsible for performing rope access climbing inspections as a team member. Project included term contracts that encompassed 70 rope access climbing inspections for 26 of Montana's largest bridges and most difficult to access bridges for the 2008 through 2021 inspection seasons, which included in-depth, hands-on, fracture critical inspections of all bridge elements. Inspectors followed the SPRAT safe practices guidelines to perform the rope access techniques necessary to inspect the bridges for this project. Inspectors provided NBI and element level inspections for each bridge inspected. Detailed inspection reports were prepared for each bridge in addition to element level inspection data which was uploaded directly into Montana's Structure Management System (SMS).
11/20-12/20	**Virginia DOT, High Rise Bridge Moveable Bridge Inspection – Rope Access Team Leader** Beau was responsible for performing bridge inspections including rope access climbing inspections on this project. Collins performed the inspection of VDOT Bridge 131-2527, Interstate 64 over the Southern Branch of Elizabeth River (High Rise Bridge) for the Hampton Roads District of VDOT. This four-lane bridge consists of one, 280 ft long steel double leaf bascule span with thirty-nine steel multi-girder approach spans and is 4,825 ft long total. The inspections performed include the Routine Inspection in November 2020, the Fracture Critical Inspection in November 2021, and an In-depth Design Level Inspection in January 2022. An Aspen A-62 (UBIV) with traffic control (nighttime right lane closures) was utilized for the hands-on inspection of each of the approach spans. SPRAT compliant rope access was utilized to access the interior portion of Bascule Piers 21 and 22 and each movable leaf of Span 22.
01/20-12/21	**Virginia DOT, Safety Inspections of Highway Structures, Bridges, and Traffic Control Devices (2016-2020), Hampton Roads District, VA – Inspection Team Leader** Beau was Responsible for leading and performing inspections on 18 bridges and performing QC on 18 reports. Project included above water and underwater routine, fracture critical, and initial NBIS inspections. Work also included ultrasonic testing (including

	fracture critical bridge bins), magnetic particle testing, dye penetrant testing, rope access climbing techniques, night inspections, MOT plans, mobile lane closures, and detailed inspection reports submitted on time.
11/20-12/21	**VDOT Hampton Roads I-64 High Rise Bridge Inspections – Team Leader/QC** Beau was responsible for above water inspections and QC review of inspection reports. Collins has performed three inspections of VDOT Bridge 131-2527, Interstate 64 over the Southern Branch of Elizabeth River (High Rise Bridge) for the Hampton Roads District of VDOT. This four-lane bridge consists of one, 280' long steel double leaf bascule span with thirty-nine steel multi-girder approach spans and is 4,825 ft long total. The inspections performed include the Routine Inspection in November 2020, the Fracture Critical Inspection in November 2021, and an In-depth Design Level Inspection in January 2022.
6/20-7/21	**VDOT Hampton Roads Berkley Bridge Inspections – Team Leader/Diver/QC** Beau was responsible for the above water and underwater inspection of the JRB and Berkley Fender Systems and QC for VDOT. Collins performed the inspection of each VDOT Bridge 122-1804, Interstate 264 WB over the Eastern Branch of Elizabeth River (Berkley Bridge) and VDOT Bridge 122-2722, Interstate 264 EB over the Eastern Branch of Elizabeth River (Berkley Bridge) for the Hampton Roads District of VDOT. Bridge 122-1804 is a four-lane bridge consisting of one, 260' long steel double leaf bascule span with nineteen steel multi-girder approach spans and is 2,128' long total and Bridge 122-2722 is a four-lane bridge consisting of one, 260' long steel double leaf bascule span with three steel multi-girder approach spans and six prestressed concrete multi-beam approach spans and is 1200' long total. The inspections performed include the routine inspection of each bridge in June 2020. Collins is currently under contract to perform the routine inspection of each structure in June of 2022.
02/18-12/18	**East End Crossing Cable-Stayed Bridge Inspection – Lewis & Clarke Bridge, Louisville, KY – Rope Access Team Leader** Beau was responsible for being a rope access inspection team member and aiding in the bridge inspection of the stay cables. Collins provided the initial in-depth inspection and annual routine inspections of the Lewis and Clark Cable-Stayed Bridge in Louisville, KY, totaling six inspection cycles. The Lewis and Clark Bridge opened to the public in 2016 and consists of a 2,500-ft.-long cable-stayed bridge crossing the Ohio River with a main span of 1,200 ft. The inspection included a hands-on inspection of all fracture critical members, including the floor beams, edge girders, and cable anchor boxes. SPRAT rope access climbing inspection techniques were used to perform a hands-on inspection of the concrete towers and all of the cable-stays. Rope lengths of up to 660 ft. were used to slide the entire length of the longest cables. A detailed inspection report was prepared, including photographs, figures, and element level quantities and ratings.
1/17-12/17	**Mississippi DOT OSARC Complex Bridge Insp 2017, Statewide, MS - Team Member** Beau was responsible for being a rope access inspection team member and aiding in the bridge inspections.The Mississippi Department of Transportation (MDOT), Office of State Aid Road Construction, (State Aid) intends to employ an engineering firm or firms to provide inspections and evaluations in accordance with the National Bridge Inspection Standards on selected bridges located throughout the state. The successful firm(s) should also have individuals with specialized knowledge and skills related to fracture critical and complex type bridges. The project will consist of an inspection, inventory, and load rating (if required) of selected bridge sites. The inspections will include NBI and Element Level inspections. Bridge types may include, but not limited to, steel girder, movable span, trusses and fracture critical. An individual written inspection procedures will be developed or revised for each bridge. Formal reports of the inspection findings will be prepared for each bridge site. Damage assessments and recommendations for repair of bridge deficiencies will be made in a formal report. Responsibilities included performed AW rope access bridge inspection.

Firm employed by	Collins Engineers, Inc.		
Name	Barritt Lovelace, PE	Years of relevant experience with this employer	7
Title	Director of UAS, Reality Modeling and Artificial Intelligence	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		BS / 1996 / Civil Engineering	
Active registration number / state / expiration date		PE 40456 Minnesota, Exp. 6/30/2022	
Year registered	2000	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Inspection Team Leader and UAS Specialist, meets MPR 4.	

Mr. Lovelace has more than 24 years of structural engineering experience in bridge design, load rating, safety inspection, and bridge rehabilitation. He has been the Lead Design Engineer for over 50 bridge projects including prestressed concrete, steel, cast-in-place concrete, curved steel and timber bridges. Mr. Lovelace has performed above and underwater inspections of numerous bridges and marine facilities. He has performed the safety inspection of over 3,000 bridges, including major river crossing bridges. Mr. Lovelace is a certified rope access technician and is experienced in non-destructive testing and fracture critical inspection procedures. He was the project manager for the development of the Minnesota Department of Transportation's Bridge Inspection Program Manual. Barritt has performed UAS work on over 500 bridge and other asset inspections and has led or been a team member on 6 UAS related research project. He has given over 100 presentations worldwide on using UAS for engineering applications. Mr. Lovelace is an instructor of adult learning and has completed the NHI Instructor Training Course. He currently teaches NHI classes for the Federal Highway Administration.

Training: Society of Professional Rope Access Technician – SPRAT Level I; FHWA-NHI Course 130055 - Safety Inspection of In-Service Bridges; FHWA-NHI Course 130053 - Bridge Inspection Refresher Training; FHWA-NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridges; FHWA-NHI Course 130091 - Underwater Bridge Inspection; UAS Part 107 Pilot

Experience dates (mm/yy–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).
05/21-11/21	**Wisconsin DOT (WisDOT), St. Croix Crossing Bridge Inspection, Stillwater, MN – Inspection Team Member/UAS Pilot** In 2021, Barritt was responsible for leading UAS inspections on the bridge and creating a 3D digital twin model of the structure. Project included the two-week long inspection of the St. Croix Crossing Bridge, a new main river crossing that spans Minnesota Trunk Highway (TH) 95, the Union Pacific Railroad (UPRR), wetlands, and the St. Croix River between the communities of Oak Park Heights, MN and St. Joseph, WI. The St. Croix Crossing Bridge totals 5,579 ft in length with four main spans of 600 ft. It consists of eight concrete box girder approach spans and six extradosed main spans. Multiple access methods were employed including rope access, under bridge inspection vehicles, boats, man lifts, and drones. A significant amount of the inspection effort was geared toward the interior of the concrete boxes where confined space entry methods were utilized.
05/19-09/19	**Minnesota DOT (MnDOT), St. Croix Crossing Bridge Inspection, Stillwater, MN – Project Manager/UAS Pilot** In 2019, Barritt was responsible for being the project manager and leading inspection teams throughout the inspection. He also led UAS inspections on the bridge and creating a 3D digital twin model of the structure. Project included the two-week long inspection of the St. Croix Crossing Bridge, a new main river crossing that spans Minnesota Trunk Highway (TH) 95, the Union Pacific Railroad (UPRR), wetlands, and the St. Croix River between the communities of Oak Park Heights, MN and St. Joseph, WI. The St. Croix Crossing Bridge totals 5,579 ft in length with four main spans of 600 ft. It consists of eight concrete box girder approach spans and six extradosed main spans. Multiple access methods were employed including rope access, under bridge inspection vehicles, boats, man lifts, and drones. A significant amount of the inspection effort was geared toward the interior of the concrete boxes where confined space entry methods were utilized.

05/19-11/19	**Wisconsin DOT – Complex Inspection of Blatnik Bridge, Superior, WI – Inspection Team Member/UAS Pilot** Barritt was responsible for being an inspection team member and he also led UAS inspections on the bridge and creating a 3D digital twin model of the structure. Project included the complex, fracture critical, and ultrasonic testing (UT) of 202 bridge pins on the Blatnik Bridge (B-16-0005) in accordance with the NBIS and WisDOT Structure Inspection Manual. Four (4) snooper trucks were required to perform inspection of approach spans as well as underdeck of main spans. Manlifts (1) was used to inspect the truss tied arch span above the deck and access inspection locations from the ground underneath the bridge. SPRAT rope access climbing was available and used as necessary to perform the truss inspection. A drone/UAV was used to supplement the inspection teams. Additional NDT was performed as necessary to verify cracks and/or section loss.
10/21-12/21	**Complex Inspection of Rio Grande Gorge Bridge, Taos, New Mexico – Inspection Team Member/UAS Pilot** Barritt was responsible for being an inspection team member throughout the inspection. He also led UAS inspections on the bridge and creating a 3D digital twin model of the structure. Collins performed the fracture critical inspection of the Rio Grande Gorge Bridge. The Bridge is a 1,200-foot-long steel deck truss bridge spanning over the Rio Grande River, approximately 600 feet below the bridge deck. The project involved the fracture critical inspection of the lower chord of the deck truss. A team of four rope access inspectors utilized rope-to-rope transfers to achieve arms-length inspection of the lower chord and gusset connections.
02/18-12/18	**Minnesota DOT, Fracture Critical System Analysis for Steel Bridges, Twin Cities Metro Area, MN – Project Manager** Barritt was responsible for project manager duties and leading inspection teams throughout the inspection. Project included the structural analysis of steel bridges on the Minnesota Bridge System statewide. The overall goal was to utilize refined analysis techniques under the American Association of State and Highway Transportation Officials Load Resistance Factor Design Manual, Section 6.6.2, on specific structure types, particularly steel pier caps, to determine structural redundancy. This refined analysis demonstrated if a structure has adequate strength and stability sufficient to avoid partial or total collapse and therefore does not need to be considered fracture critical any longer. Structures of this type included designated fracture critical bridges that likely exhibited structural redundancy, such as steel pier caps, steel arches, and/or two-girder steel systems.
05/20-11/21	**Minnesota DOT (MnDOT) Statewide Underwater Bridge Inspections, Statewide, MN – Inspection Team Leader** Barritt performed underwater diving bridge inspections as a team leader. Project included bridges spanning various waterways throughout Minnesota. The bridges ranged from 20 to 300 feet in length, with depths up to 60 feet, currents up to 3 feet per second, and, at times, very limited visibility. Collins performed 570 underwater inspections. Collins also prepared a Scour Monitoring Training Program for the Minnesota DOT that included 2 weeks of classroom lecture and activities in conjunction with 2 weeks of on-site field activities. As part of the project, Collins prepared training documents, assisted with equipment selection, directed mounting hardware fabrication, and implemented software setup in an effort to fully train the DOT's Hydraulics Department in state-of-the-art scour monitoring and hydrographic surveying technologies. The project utilized technologies such as mechanical scanning and mobile multi-beam sonar operations. Underwater survey data was collected during field activities and was subsequently processed into 3D models by the MnDOT participants during classroom learning exercises.

Firm employed by	Collins Engineers, Inc.			
Name	Michael A. Seal, PE		Years of relevant experience with this employer	1
Title	Senior Project Manager		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization			BS/2000/Civil & Structural Engineer	
Active registration number / state / expiration date			PE 46395 Louisiana, Exp. 9/30/2022	
Year registered	2022	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Inspection Team Leader. Meets MPR 3 &4.	

Mr. Seal has 21 years of extensive experience performing complex, fracture critical, and in-depth above water bridge inspections; and rope access climbing inspections of bridges. Project scopes included bridge inspections, bridge rehabilitations, bridge structural health monitoring, and both nondestructive and destructive testing on bridges. He has participated in more than 2,400 bridge inspections in a total of 23 states and has climbed on more than 400 bridges. Mr. Seal is an NBI Team Leader, SPRAT Level III Technician, and has experience in the use of both destructive and non-destructive testing methods to evaluate structural conditions. He has load rated multiple bridges, including trusses, timber, and concrete. He has also been involved with field instrumentation and structural health monitoring on multiple significant bridges, including the Brooklyn Bridge in New York City; Brent Spence Bridge in Cincinnati, Mathews Bridge in Jacksonville, and the Virgin River Gorge I-15 bridges in Arizona.

Training: Society of Professional Rope Access Technician – SPRAT Level III; FHWA-NHI Course 130055 - Safety Inspection of In-Service Bridges; FHWA-NHI Course 130053 - Bridge Inspection Refresher Training; FHWA-NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridges; FHWA-NHI Course 130087 - Inspection and Maintenance of Ancillary Highway Structures; Confined Space Entry; Fall Protection Training

Experience dates (mm/yy–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).
06/08-09/21	**Iowa DOT, Major River Crossing Bridge Inspections (2015 & 2018-2020), IA — Project Manager/ Team Leader** Mike was responsible for providing project management, coordination, planning, and leading inspection teams including all rope access climbing. Project included the fracture critical inspection of large Mississippi River bridge crossings including a 400-ft tall, 2,267-ft long cable-stayed Bridge on USH-34 over the Mississippi River in Burlington, IA and a 1,653-ft long through truss bridge on Iowa Highway 9 over the Mississippi River in Lansing, IA, and IH-74 twin 5,018-ft long suspension bridges in Bettendorf, IA.
05/20-08/20 05/12-08/12 05/05-08/05	**Astoria Truss Bridge (2020/2012/2005), Astoria, OR – Lead Access Supervisor** Mike was responsible for providing coordination, planning, and leading inspection teams including all rope access climbing. Project included the fracture critical inspection of approach truss, anchor truss, and main truss spans for this continuous cantilevered through truss crossing the Columbia River. With a main span length of 1,232 feet and a total length of 21,474 feet, it is the longest continuous truss in the US. Used rope access and adapted climbing techniques to inspect all necessary elements of the bridge. Digital photographs and field notes were taken, and a short form report was prepared.
04/08-12/21	**Oklahoma DOT, On- and Off-System Fracture Critical Inspections (2008-2021), Statewide, OK – Team Leader** Mike was responsible for providing coordination, planning, and leading inspection teams including all rope access climbing. Project included the inspection of fracture critical bridges, including truss and two-beam structures and included bridges on both state roads and local agency structures. Additionally, took field measurements of truss bridges for load rating purposes, including measurements of the gusset plates. Performed load ratings and analysis on multiple truss bridges and assisted with gusset plate analysis.

06/18-10/18	**Complex Inspection of John A. Roebling Bridge (2018), Cincinnati, OH - Lead Access Supervisor** Mike was responsible for providing coordination, planning, and leading inspection teams including all rope access climbing. Project included multiple fracture critical inspections of this historic 139-year-old suspension bridge connecting Covington, Kentucky and Cincinnati, Ohio. This bridge over the Ohio River has a main span of 1,057 feet. Weight limit restrictions did not allow for the use of heavy machinery; therefore, an arm's length inspection of the floor system, truss, and cable connections was used using rope access and adapted climbing techniques. Field notes were recorded and submitted electronically to the DOT, eliminating the need for paper notes.
11/16-04/17	**Dames Point Cable-Stayed Bridge Inspection (2016/2007), Jacksonville, FL - Team Leader/Lead Access Supervisor** Mike was responsible for providing planning, and leading inspection teams including all rope access climbing. Project included multiple inspections of this 2 mile-long, 175-foot-high bridge. The main span measures 1,600 feet long with 300-foot towers. Cable lengths ranged from 65 to 720 feet long. All cables were accessed at arm's length utilizing internally adapted rolling techniques. All towers, cable and deck anchorages, and other bridge portions were inspected. A confined space underwater inspection was required to access the towers below at the river bottom. A long form and BrM report was generated.
6/17-8/21	**Mississippi DOT, Complex and Timber Bridge Inspections and Load Ratings, Statewide, MS – Project Manager** Mike was responsible for providing project management, coordination, planning, and leading inspection teams. Project included an in-depth inspections and load ratings of multiple local agency bridges in multiple counties in Mississippi. All bridges received a hands-on inspection of all timber and fracture critical components. Bridge deterioration was noted, and timber components were field measured and verified for load ratings. All visible components for all bridges were load rated when required. Concrete superstructure beams were rated with BrR, with member sections requiring manipulation as section properties did not match available standard sections in the software. A custom designed spreadsheet was used in conjunction with MIDAS software to build a model that could be used for different span lengths and substructure pile spacing. Field measurements did not match standard MDOT drawings, so values had to be hand entered to build the model for each substructure. MDOT standard InspectTech reports were generated for each structure, complete with condition comments, repair recommendations, and load rating summary results. Bridges were rated for HS-20, H-20, HL-93, and multiple Mississippi specific truck loadings.
04/20-09/20	**Complex Climbing Inspection of Brent Spence Bridge (I-71/I-75) (2020), Cincinnati, OH - Lead Access Supervisor** Mike was responsible for leading rope access bridge inspection teams and maintain safety oversight. Project included multiple fracture critical inspection of components of the approach and truss on this bi-level cantilevered through truss with a main span of 831 feet. This bridge carries I-71 and I-75 over the Ohio River into downtown Cincinnati. Total length of the structure is 1,737 feet of truss spans and 1,187 feet of approach spans. Geometric conditions and significant traffic make lane closures not an option. All components were accessed at an arm's-length distance used rope access and modified fall protection techniques, eliminating the need for traffic control. Field notes were recorded and submitted electronically to the DOT, eliminating the need for paper notes. In the late summer of 2004, Michael participated in a fatigue study on the structure. The team used climbing techniques to instrument strain gauges on the bridge to collect traffic and fatigue data over a 2-week period.

Firm employed by	Collins Engineers, Inc.		
Name	Michael Spencer, PE	Years of relevant experience with this employer	9
Title	Structural Engineer/Inspector Engineer-Diver	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2012 / Civil Engineering		
Active registration number / state / expiration date	PE. 062-070248 Illinois, Exp. 11/30/2023		
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Inspection Team Leader		

Mr. Spencer has nine years of experience in the inspection and analysis of bridges and various waterfront structures. He has in-depth technical experience with complex, fracture critical, and element level inspections, underwater inspections, various rope access (climbing) inspections, hydrographic surveying, and underwater acoustic imaging. Mr. Spencer has been involved with the inspection and reporting of over 600 bridges and various structures. Climbing inspections are supplemented by being certified to the highest level, Level III, by the Society of Professional Rope Access Technicians (SPRAT). He is commercially trained and certified as an ADCI Surface-Supplied Air Diver. He routinely performs bridge inspections on complex bridges and performs underwater diving inspections on statewide bridge inspection projects.

Training: Society of Professional Rope Access Technician – SPRAT Level III; FHWA-NHI Course 130055 - Safety Inspection of In-Service Bridges; FHWA-NHI Course 130053 - Bridge Inspection Refresher Training; FHWA-NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridges; FHWA-NHI Course 130087 - Inspection and Maintenance of Ancillary Highway Structures; FHWA-NHI Course 130091 - Underwater Bridge Inspection; Confined Space Entry; Fall Protection Training; ADCI Surface-Supplied Air Diving Supervisor

Experience dates (mm/yy–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).
06/16-10/21	**Montana DOT, Climbing Bridge Inspections Term Contracts, Statewide, MT – Inspection Team Member** Mike was responsible for performing rope access climbing inspections as a team member. Project included term contracts that encompassed 70 rope access climbing inspections for 26 of Montana’s largest bridges and most difficult to access bridges for the 2008 through 2021 inspection seasons, which included in-depth, hands-on, fracture critical inspections of all bridge elements. Inspectors followed the SPRAT safe practices guidelines to perform the rope access techniques necessary to inspect the bridges for this project. Inspectors provided NBI and element level inspections for each bridge inspected. Detailed inspection reports were prepared for each bridge in addition to element level inspection data which was uploaded directly into Montana’s Structure Management System (SMS).
04/19-12/21	**Illinois DOT (IDOT) Large River Crossing Bridge Inspections, Statewide, IL – Project Manager/Inspection Team Leader** Mike was responsible for being the project manager and leading inspection teams. Mike preformed all inspection planning, budgeting, and inspection of these large complex bridges. Collins performed the inspection and reporting of 16 major river bridges throughout the state of Illinois on a task-order basis over three years. The bridges included many of Illinois DOT’s (IDOT) largest and most complex structures including arch, suspension, through truss, deck truss, and deck girder bridges ranging in length from 1,000 ft to 5,000 ft long. The inspections utilized multiple inspection teams coordinating snooper trucks, aerial manlifts, bucket trucks, rope access climbing, confined space entry, and drones to perform the in-depth, fracture critical, and element level inspection of each bridge. Collins coordinated inspection windows with snooper truck rental companies, railroad flagman, and traffic control companies to ensure all aspects needed to perform the work were in place. Ultrasonic Testing (UT) of structural pins was performed on several structures. Final reports were issued to the IDOT Bridge Office complete with bridge rating forms, sketches, photographs, and deficiency tables.

05/19-09/19	**Minnesota DOT (MnDOT), St. Croix Crossing Bridge Inspection, Stillwater, MN – Inspection Team Member** Mike was responsible for being an inspection team member using rope access climbing techniques. He also led UAS inspections on the bridge and creating a 3D digital twin model of the structure. Project included the two-week long inspection of the St. Croix Crossing Bridge, a new main river crossing that spans Minnesota Trunk Highway (TH) 95, the Union Pacific Railroad (UPRR), wetlands, and the St. Croix River between the communities of Oak Park Heights, MN and St. Joseph, WI. The St. Croix Crossing Bridge totals 5,579 ft in length with four main spans of 600 ft. It consists of eight concrete box girder approach spans and six extradosed main spans. Multiple access methods were employed including rope access, under bridge inspection vehicles, boats, man lifts, and drones. A significant amount of the inspection effort was geared toward the interior of the concrete boxes where confined space entry methods were utilized.
02/16-12/16 & 02/18-12/18	**East End Crossing Cable-Stayed Bridge Inspection – Lewis & Clarke Bridge, Louisville, KY – Rope Access Team Leader** Mike was responsible for leading rope access inspection teams. Collins provided the initial in-depth inspection and annual routine inspections of the Lewis and Clark Cable-Stayed Bridge in Louisville, KY, totaling six inspection cycles. The Lewis and Clark Bridge opened to the public in 2016 and consists of a 2,500-ft.-long cable-stayed bridge crossing the Ohio River with a main span of 1,200 ft. The inspection included a hands-on inspection of all fracture critical members, including the floor beams, edge girders, and cable anchor boxes. SPRAT rope access climbing inspection techniques were used to perform a hands-on inspection of the concrete towers and all of the cable-stays. Rope lengths of up to 660 ft. were used to slide the entire length of the longest cables. A detailed inspection report was prepared, including photographs, figures, and element level quantities and ratings.
05/19-08/19	**South Carolina DOT Ravenel Bridge System & Coastal Bridge Asset Management – Inspection Team Member** Mike was responsible for performing rope access climbing inspections on this project. Collins provided in-service bridge inspection, evaluation, and design services for the Arthur Ravenel Bridge System and coastal bridges in Beaufort, Berkeley, and Charleston counties. Inspections include biennial routine, emergency, fracture critical, construction, and warranty item specific frequency inspections. The Ravenel Bridge System is comprised of 18 bridges and encompasses over six miles of structures. The four coastal bridges in Berkeley and Charleston Counties encompass nearly 10.5 miles of structures and the two Beaufort County bridges encompass over 10 miles of structures. The bridges are considered complex, ranging from multi-level interchanges, cable-stayed systems, prestressed concrete beam and tub girders, post-tensioned girders and deck, steel plate girders, and flat slabs.
01/17-12/19	**Chicago DOT, Bridge Inspection Program (2017-2019), Chicago, IL – Inspection Team Leader** Mike was responsible for performing rope access climbing inspections on this project. Project included inspection of all 376 bridges in the City's inventory, including movable bridges, fixed spans over water, viaducts, pedestrian walkways, and expressway overpasses utilizing bucket boats, bucket trucks, manlifts, and SPRAT inspection techniques. The full scope of inspection services include routine, fracture critical, element level, underwater, and special inspections including numerous structures over the Chicago River, Cal-Sag Channel, and Calumet River with main spans over 200 feet. Responsible for leading inspection teams in the field and oversight of the report and form preparation.
06/16-08/16	**Idaho Transportation Department, Above Water Bridge Inspection (2016), Statewide, ID – Inspection Team Member** Mike was responsible for performing rope access climbing inspections on this project. Project included performing 8 fracture critical climbing and ultrasonic pin testing bridge inspections. As part of the inspection of bridges over water, a stream profile was taken and recorded in the inspection report on the upstream side of the bridge. Access was gained through the use of SPRAT rope access climbing techniques. The bridge inspection services included thorough field inspections, preparation of reports in computerized format, digital pictures on with at least two photographs for each structure.

Firm employed by	Collins Engineers, Inc.				
Name	Daniel Stromberg, PE, SE		Years of relevant experience with this employer	32	
Title	Civil/Structural Engineer		Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization		BS / 1983 / Structural Engineering			
Active registration number / state / expiration date		PE 36176 Louisiana, Exp. 9/30/2023			
Year registered	2011	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities		Underwater Inspection Team Leader. Meets MPR 4.			

Mr. Stromberg has 37 years of experience in the inspection and design of highway and railroad bridges, as well as various waterfront and waterway-related structures. To date, he has managed and/or conducted well over 5,000 above and below water inspections on a diverse collection of private and public sector structures throughout the United States, as well as many foreign locations. Based on his inspection work, Mr. Stromberg has prepared or overseen the preparation of thousands of assessment reports that detail and evaluate the inspection findings. Mr. Stromberg's reports have also included detailed repair or replacement measure recommendations along with associated construction cost estimates. Mr. Stromberg has also prepared numerous feasibility/concept study reports that presented cost/benefit analyses and evaluations for identified repair or replacement alternatives. Also related to his inspections, Mr. Stromberg has performed well over 500 load capacity ratings based on original construction details and his assessment of existing conditions.

Training: FHWA-NHI Course 130055 - Safety Inspection of In-Service Bridges; FHWA-NHI Course 130053 - Bridge Inspection Refresher Training; FHWA-NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridges; FHWA-NHI Course 130091 - Underwater Bridge Inspection; ADCI Surface-Supplied Air Diver; CPR; First-Aid

Experience dates (mm/yy–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).
05/20-11/21	**Minnesota DOT (MnDOT) Statewide Underwater Bridge Inspections, Statewide, MN – Inspection Team Leader** Dan performed underwater diving bridge inspections as a team leader. Project included bridges spanning various waterways throughout Minnesota. The bridges ranged from 20 to 300 feet in length, with depths up to 60 feet, currents up to 3 feet per second, and, at times, very limited visibility. Collins performed 570 underwater inspections. Collins also prepared a Scour Monitoring Training Program for the Minnesota DOT that included 2 weeks of classroom lecture and activities in conjunction with 2 weeks of on-site field activities. As part of the project, Collins prepared training documents, assisted with equipment selection, directed mounting hardware fabrication, and implemented software setup in an effort to fully train the DOT's Hydraulics Department in state-of-the-art scour monitoring and hydrographic surveying technologies. The project utilized technologies such as mechanical scanning and mobile multi-beam sonar operations. Underwater survey data was collected during field activities and was subsequently processed into 3D models by the MnDOT participants during classroom learning exercises.
01/15-12/15	**Golden Gate Bridge Highway and Transportation District, Golden Gate Bridge Diving Inspection, San Francisco, CA – Project Manager/Team Leader/Engineer Diver** Dan performed underwater diving bridge inspections as a team leader. Project included the underwater inspection of the Golden Gate Bridge South and North Tower Piers, the south tower fender, and the channel bottom around and adjacent to each pier. The work included in-depth diving inspection, extensive marine growth removal, and below water 'hands-on' data collection and imaging of the substructure and seabed using multi-beam sonar, and development of two detailed reports for the underwater imaging operations and the diving inspection operations.

01/14-12/14	**Caltrans, Underwater Inspection of all Major Bridges in the San Francisco Bay, CA – Project Manager/Team Leader/Engineer-Diver** Dan performed underwater diving bridge inspections as a team and was project manager. Project included, as part of various task order under Collins two Caltrans underwater inspection contracts, the routine underwater inspection of all of the major bridges in the San Francisco Bay, including the San Francisco/Oakland Bay Bridge, Richmond/San Rafael Bridge, San Mateo/Hayward Bridge, Carquinez Bridge, Antioch Bridge and the Dunbarton Bridge. Dives were conducted in water depths up to 100 feet, with low-visibility and tidal currents of up to 4 feet per second. Hydrographic surveying and/or underwater imaging was also provided, as needed, to further document conditions at the bridges. For all inspections, standard Caltrans reports were prepared and downloaded into Caltrans' database system.
01/14-11/14	**Washington State DOT, Underwater Bridge Inspections Statewide, WA – Project Manager/Team Leader/Engineer-Diver** Dan performed underwater diving bridge inspections as a team and was project manager. Project included, as part of various task orders under eight successive IDIQ contracts, the inspection of over 50 on and off-system highway bridges throughout the state, as well as 15 of the state's 20 ferry terminals within the Puget Sound. The inspections included steel, concrete and timber structures located in waterways that included the deep reservoirs in Mossyrock, WA, various Puget Sound passages, and the Columbia, Lewis, Skagit, Snoqualmie, and Snohomish Rivers. Most notably, the work also include multiple inspections at the Tacoma Narrows Bridge, with water depths in excess of 100 feet and strong tidal currents. Based on all of the inspections, reports were prepared that included condition assessment and remedial measure recommendations along with state-specific inspection and dive operations forms.
01/15-12/15	**Nevada DOT, Statewide Underwater Inspection of On-System and Off-System Bridges, NV – Project Manager/Team Leader/Engineer-Diver** Dan performed underwater diving bridge inspections as a team and was project manager. Project included, under four successive contract selections, the underwater inspection of approximately 60 highway bridges throughout the state of Nevada. Work included development of inspection procedure documentation for each bridge, and following inspection, development of the report for each bridge in the State's InspectTech asset management system. During the field operations, data was recorded with tablets incorporating the InspectTech App. In addition to the 48-month routine inspections, yearly special inspections were also conducted for approximately 10 bridges identified to have conditions warranting annual careful monitoring. Also during the first quarter of 2016, emergency, post-event, underwater inspections were conducted for some 50 bridges during the aftermath of significant flooding on the Truckee and Carson Rivers.
01/15-12/15	**Missouri DOT, Underwater Inspection of Off-System Bridges under Various Task Orders, MO – Project Manager/Team Leader/Engineer-Diver** Dan performed underwater diving bridge inspections as a team and was project manager. Project included, as part of yearly task orders under two successive contract selections between 2009 and 2015, the underwater inspection and assessment of 25 off-system bridges throughout Missouri over waterways that included the Mississippi River, Missouri River, Table Rock Lake, and Lake of the Ozarks. Based on the inspections, detailed technical reports were prepared for each bridge with condition ratings and repair or maintenance recommendations.

Firm employed by	Collins Engineers, Inc.			
Name	Chris Thrift, NICET IV		Years of relevant experience with this employer	6
Title	Project Manager/Team Leader		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			Certificate / 1997 / Construction Management	
Active registration number / state / expiration date			NICET IV 113463, Exp. 1/5/2023	
Year registered	2017	Discipline	Engineering Technologies	
Contract role(s) / brief description of responsibilities			Inspection Team Leader, meets MPR 4.	

Mr. Thrift is a NICET IV certified project manager and bridge inspector with 23 years of continuous experience in the field of NBIS bridge safety inspections. He is a NBIS-qualified team leader and has inspected over 3,000 simple to complex bridges nationwide for numerous agencies. He has performed routine and complex inspections, as well as fracture critical inspections requiring NDE, specialized access equipment, traffic control, and extensive planning and coordination. His inspection experience includes bridge structures of all types and materials including major bridge structures with fracture critical members and fatigue prone details. He is also an experienced rope access technician certified by the Society of Professional Rope Access Technicians.

Training: Society of Professional Rope Access Technician – SPRAT Level III; FHWA-NHI Course 130055 - Safety Inspection of In-Service Bridges; FHWA-NHI Course 130053 - Bridge Inspection Refresher Training; FHWA-NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridges; FHWA-NHI Course 130087 - Inspection and Maintenance of Ancillary Highway Structures; FHWA-NHI Course 130091 - Underwater Bridge Inspection; FHWA-NHI Course 133117 - Maintenance of Traffic for Supervisors; FHWA-NHI Course 133119 - Safe and Effective Use of Law Enforcement Personnel in Work Zones; Confined Space Entry; Fall Protection Training

Experience dates (mm/yy–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).
06/16-10/21	**Montana DOT, Climbing Bridge Inspections Term Contracts, Statewide, MT – Inspection Team Member** Chris was responsible for performing rope access climbing inspections as a team member. Project included term contracts that encompassed 70132 rope access climbing inspections for 2654 of Montana’s largest bridges and most difficult to access bridges for the 2008 through 2021 inspection seasons, which included in-depth, hands-on, fracture critical inspections of all bridge elements. Inspectors followed the SPRAT safe practices guidelines to perform the rope access techniques necessary to inspect the bridges for this project. Inspectors provided NBI and element level inspections for each bridge inspected. Detailed inspection reports were prepared for each bridge in addition to element level inspection data which was uploaded directly into Montana’s Structure Management System (SMS). Project included the 2017 emergency inspection and mobilization of the Dearborn River Bridge which was temporarily closed due to the crossing of an overweight vehicle.
01/20-12/21	**Virginia DOT, High Rise Bridge Moveable Bridge Inspection – Project Manager/Team Leader** Chris was responsible for preparing fee estimates, scheduling work, managing the budget, and submitting final deliverables. Collins performed the inspection of VDOT Bridge 131-2527, Interstate 64 over the Southern Branch of Elizabeth River (High Rise Bridge) for the Hampton Roads District of VDOT. This four-lane bridge consists of one, 280 ft long steel double leaf bascule span with thirty-nine steel multi-girder approach spans and is 4,825 ft long total. The inspections performed include the Routine Inspection in November 2020, the Fracture Critical Inspection in November 2021, and an In-depth Design Level Inspection in January 2022. An Aspen A-62 (UBIV) with traffic control (nighttime right lane closures) was utilized for the hands-on inspection of each of the approach spans. SPRAT compliant rope access was utilized to access the interior portion of Bascule Piers 21 and 22 and each movable leaf of Span 22.

05/19-08/19	**South Carolina DOT Ravenel Bridge System & Coastal Bridge Asset Management – Inspection Team Member** Chris was responsible for performing rope access inspection work. Collins provided in-service bridge inspection, evaluation, and design services for the Arthur Ravenel Bridge System and coastal bridges in Beaufort, Berkeley, and Charleston counties. Inspections include biennial routine, emergency, fracture critical, construction, and warranty item specific frequency inspections. The Ravenel Bridge System is comprised of 18 bridges and encompasses over six miles of structures. The four coastal bridges in Berkeley and Charleston Counties encompass nearly 10.5 miles of structures and the two Beaufort County bridges encompass over 10 miles of structures. The bridges are considered complex, ranging from multi-level interchanges, cable-stayed systems, prestressed concrete beam and tub girders, post-tensioned girders and deck, steel plate girders, and flat slabs.
02/18-12/18	**East End Crossing Cable-Stayed Bridge Inspection – Lewis & Clarke Bridge, Louisville, KY – Rope Access Team Member** Chris was responsible for performing rope access inspections. Collins provided the initial in-depth inspection and annual routine inspections of the Lewis and Clark Cable-Stayed Bridge in Louisville, KY, totaling six inspection cycles. The Lewis and Clark Bridge opened to the public in 2016 and consists of a 2,500-ft.-long cable-stayed bridge crossing the Ohio River with a main span of 1,200 ft. The inspection included a hands-on inspection of all fracture critical members, including the floor beams, edge girders, and cable anchor boxes. SPRAT rope access climbing inspection techniques were used to perform a hands-on inspection of the concrete towers and all of the cable-stays. Rope lengths of up to 660 ft. were used to slide the entire length of the longest cables. A detailed inspection report was prepared, including photographs, figures, and element level quantities and ratings.
05/19-12/20	**Federal Highway Administration Bridge Inspections, EFL 2020 CUYA and NSRR Bridge Insp, Statewide, OH - Project Manager/Team Leader** Chris was responsible for scheduling work and as team leader performed inspections, QC or reports and final submittal. Project included performing the routine inspection of 18 bridges owned and maintained by the National Park Service, throughout the Cuyahoga Valley National Park in Ohio and the Upper Delaware National Scenic and Recreational River in New York and Pennsylvania. The bridge types included suspension, single, multi-span, and continuous, concrete, prestressed concrete, and steel multi-beams, girders, box beams, and slabs, and masonry arches. Collins planned and scheduled the field work to minimize disruption to traffic and provide efficient mobilization and demobilization. Element quantities were verified against quantities obtained from the design or as-built plans. Each report included a cover sheet, structure summary, recommended work and estimated costs, NBI Coding/Condition Evaluations and Ratings, load rating information, bridge profile drawing indicating scour, erosion, and vertical clearances, SI&A sheet, and photos of defects and deficiencies encountered during the inspections. Element level inspection sheets for each structure were prepared, in accordance with AASHTO, and populated the quantities and conditions state quantities.
05/20-12/20	**Federal Highway Administration, EFL 2020 GSMNP Bridge Inspection, Statewide, TN - Project Manager/Team Leader** Chris was responsible for scheduling work and as team leader performed inspections, QC or reports and final submittal. Project included performing the routine inspection of 50 bridges and 2 tunnels, owned and maintained by the National Park Services, throughout the Greater Smokey Mountain National Park. The bridge types included single, multi-span, and continuous, concrete, prestressed concrete, and steel multi-girder/beams, concrete arches, concrete box beams, and concrete girders. Responsibilities include scheduled work and as team leader performed inspections, QC or reports and final submittal.

Firm employed by	Collins Engineers, Inc.		
Name	Jon M. Wittrock, PE, CWI	Years of relevant experience with this employer	11
Title	Civil/Structural Engineer, Engineer-DIver	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2010 / Civil Engineering		
Active registration number / state / expiration date	PE 43360-6 Wisconsin, Exp. 7/31/2022		
Year registered	2015	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Inspection Team Leader and Nondestructive Testing Specialist, meets MPR 4.		

Mr. Wittrock has 10 years of experience performing complex, fracture critical, and in-depth above water bridge inspections; rope access climbing inspections of bridges; and ultrasonic pin and hanger inspections. His inspection capabilities are supplemented by being a Certified Welding Inspector as well as NDT Level II Ultrasonic Testing certified. Climbing inspections are supplemented by being certified by the Society of Professional Rope Access Technicians (SPRAT). He has performed the inspection of more than 500 bridges and is a NHI Certified Instructor. Mr. Wittrock routinely performs NDT on bridges including ultrasonic testing and magnetic particle testing.

Training: Society of Professional Rope Access Technician – SPRAT Level I; FHWA-NHI Course 130055 - Safety Inspection of In-Service Bridges; FHWA-NHI Course 130053 - Bridge Inspection Refresher Training; FHWA-NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridges; FHWA-NHI Course 130087 - Inspection and Maintenance of Ancillary Highway Structures; FHWA-NHI Course 130099A - Bridge Inspection Non-Destructive Evaluation Showcase (BINS); FHWA-NHI Course 130091 - Underwater Bridge Inspection; FHWA-NHI Course 133117 – Maintenance of Traffic for Supervisors; NDT Certified - Level II Magnetic Particle and Ultrasonic Testing; Confined Space Entry; Fall Protection Training.

Experience dates (mm/yy–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).
05/21-11/21	**Wisconsin DOT, St. Croix Crossing Bridge Inspection, Stillwater, MN – Assistant Project Manager/ Team Leader** Jon was responsible for being the assistant project manager, leading inspection teams, report generation, and quality reviews of deliverables. Project included the two-week long inspection of the St. Croix Crossing Bridge, a new main river crossing that spans Minnesota Trunk Highway (TH) 95, the Union Pacific Railroad (UPRR), wetlands, and the St. Croix River between the communities of Oak Park Heights, MN and St. Joseph, WI. The St. Croix Crossing Bridge totals 5,579 ft in length with four main spans of 600 ft. It consists of eight concrete box girder approach spans and six extradosed main spans. Multiple access methods were employed including rope access, under bridge inspection vehicles, boats, man lifts, and drones. A significant amount of the inspection effort was geared toward the interior of the concrete boxes where confined space entry methods were utilized.
08/15-11/15 07/18-11/18 07/19-11/19 07/20-11/20	**Iowa DOT, Major River Crossing Bridge Inspections (2015 & 2018-2020), IA — Team Member** Jon was responsible for providing field inspections as a team member. Project included the fracture critical inspection of large Mississippi River bridge crossings including a 400-ft tall, 2,267-ft long cable-stayed Bridge on USH-34 over the Mississippi River in Burlington, IA and a 1,653-ft long through truss bridge on Iowa Highway 9 over the Mississippi River in Lansing, IA, and IH-74 twin 5,018-ft long suspension bridges in Bettendorf, IA.
05/19-11/19	**Wisconsin DOT – Complex Inspection of Blatnik Bridge, Superior, WI – Assistant Project Manager/ Team Leader** Jon was responsible for being the assistant project manager, leading inspection teams, report generation, and quality reviews of deliverables. Project included the complex, fracture critical, and ultrasonic testing (UT) of 202 bridge pins on the Blatnik Bridge (B-16-0005) in accordance with the NBIS and WisDOT Structure Inspection Manual. Four (4) snooper trucks were required to perform

	inspection of approach spans as well as underdeck of main spans. Manlifts (1) was used to inspect the truss tied arch span above the deck and access inspection locations from the ground underneath the bridge. SPRAT rope access climbing was available and used as necessary to perform the truss inspection. A drone/UAV was used to supplement the inspection teams. Additional NDT was performed as necessary to verify cracks and/or section loss.
06/16-10/21	**Montana DOT, Climbing Bridge Inspections Term Contracts, Statewide, MT – Inspection Team Member** Jon was responsible for performing rope access climbing inspections as a team member. Project included term contracts that encompassed 70 rope access climbing inspections for 26 of Montana's largest bridges and most difficult to access bridges for the 2008 through 2021 inspection seasons, which included in-depth, hands-on, fracture critical inspections of all bridge elements. Inspectors followed the SPRAT safe practices guidelines to perform the rope access techniques necessary to inspect the bridges for this project. Inspectors provided NBI and element level inspections for each bridge inspected. Detailed inspection reports were prepared for each bridge in addition to element level inspection data which was uploaded directly into Montana's Structure Management System (SMS).
04/17-10/17	**Wisconsin DOT, Routine & Fracture Critical Inspections of 2 Bridges, Green Bay, WI – Engineer Inspector** Jon was responsible for performing bridge inspections as a team member. Project included the routine and fracture critical inspections of 2 bridges (B-5-658 STH 29EB to USH 41NB and B-5-660 USH 41NB to STH 29WB). The bridges have 10 and 15 spans respectively and each consist of 2 steel tub girders. The interior of the tub girders were inspected utilizing confined space entry methods and the exterior of the tub girders were inspected utilizing an under bridge inspection truck (UBIT) for access. The inspections required detailed traffic control to close all lanes of traffic below the fly over ramps as well as coordination with the CN Railroad for working over live railroad tracks
01/16-12/17	**Montana DOT, Pin and Hanger Inspection (2016-2017), Statewide, MT – NDT Level II Inspector** Jon was responsible for performing NDT bridge inspections of bridge pins. Project included inspection of pins on 53 bridges. Work entailed the ultrasonic testing of steel pins and hangers, as well as steel pins on transverse girder elements. Testing included ultrasonic testing, phased array testing, magnetic particle testing, and dye penetrant testing.
04/16-06/16	**Richmond Metropolitan Authority, Boulevard Bridge Pin Ultrasonic Testing, Richmond, VA – NDT Level II Inspector** Jon was responsible for performing NDT bridge inspections of bridge pins. Project included ultrasonic testing of 32 deck truss bridge pins. Due to maintenance of traffic and load restrictions on the structure, rope access techniques were used to access the pins from the bridge deck. A letter report including evaluations and recommendations was prepared.
02/14-09/14	**Caltrans, Fracture Critical Inspections, Northern California, CA – NDT Level II Inspector** Jon was responsible for performing NDT bridge inspections of bridge pins using rope access climbing techniques. Project included ultrasonic testing and fracture critical inspection on four truss bridges. Work was performed using rope access techniques. A total of 78 bridge pins were inspected with ultrasonic testing on this work order. Inspection findings were documented, photographed, and compiled into a detailed inspection report for each bridge summarizing findings and recommendations.

16. **Staff Experience:**

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

Firm employed by **Huval & Associates, Inc.**				
Name	**Colby J. Guidry, P.E.**		Years of experience with this firm/employer	15
Title	Vice President and Lead Engineer		Years of experience with other firm(s)/employer(s)	7
Degree(s) / Years / Specialization			08/95-05/00 Bachelor of Science, Civil Engineering	
Active registration number / state / expiration date			31338/LA/09/30/2022	
Year registered	2004	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**HUVAL Inspections, Ratings, Design**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Guidry came to Huval & Associates with 7 years' experience with the Federal Highway Administration (FHWA). His FHWA experience included all aspects of transportation related projects, where he was actively involved with environmental review, design, construction, and maintenance of bridges and roadways throughout Louisiana. Since joining HUVAL, he has been involved in bridge and structural design, plan preparation, bridge inspections, and construction support services. Completed the two-week FHWA approved comprehensive bridge training course for bridge inspectors, certified as a Bridge Inspection Team Leader, completed the NHI LRFR for Superstructures Course, the Work Zone Traffic Control Technician and Supervisor Courses, ATSSA Flagger Training, the NHI Design & Operation of Work Zone Traffic Control, Roadside Design Course, NHI Highway Hydraulics Course, NHI Urban Drainage Design Course, as well as many construction and environmental related courses. Very familiar with the LADOTD Bridge Design Manuals, 2002 AASHTO Bridge Specs, and the current AASHTO LRFD Bridge Specs	
(10/19-07/20)	**SR 63 over Escatawpa River Girder and Weld Repairs – Pascagoula, MS –** Lead Inspection Engineer of the in-depth steel repair inspection. Responsible for coordination, inspections, project setup, QA/QC, bridge rehab design for the $3M construction contract.
(1/19-Present)	**Herman Dupuis Swing Span Bridge (Movable) – St. Martin Parish** – Project Manager for the design and plan development of a new swing span bridge over alligator bayou which will replace the Butte LaRose Pontoon bridge. Design elements include all aspects of the bridge including environmental clearance, surveying, structural design, mechanical design, electrical design, hydraulic design, roadway design, and all other design elements.
(4/18 – Present)	**Retainer for Engineering Services for Bridge Preservation - Statewide, Contract No. 4400011225 -** Supervisor Engineer of Retainer Contract. Responsible for project management, coordination, project setup, QA/QC, and bridge rehab design for the $4M retainer.

(09/12 – 12/17)	**Retainer Contract for Bridge Repair and Rehabilitation Services - Statewide, Contract No. 4400002537-** Supervising Engineer of Retainer Contract. Responsible for coordination, inspections, project setup, QA/QC, bridge rehab design for the $6M retainer contract.
(12/14 – 01/16)	**US 84 Pin & Link Replacement Natchez, MDOT** – Lead design engineer for the development of construction means and methods to remove and replace pin and links on MS river bridge.
(05/11 – 08/15)	**Retainer for Engineering Services for Bridge Preventive Maintenance (BRPM) - Statewide, Contract No. 440001543-**Lead Engineer of Retainer Contract. Led the Inspection and Design for 8 different Task Orders covering Preventive Maintenance Repairs for over 100 Bridges statewide in short timeframes.
(08/09– 06/15)	**Retainer Contract for Bridge Repair and Rehabilitation Services - Statewide, S.P. 700-99-0488 -** Lead Engineer of Retainer Contract. Responsible for coordination, inspection team leader, project setup, bridge design, and QA/QC of Task Orders totaling approximately $8.75M over a 5-year period. Contract utilized multiple Subconsultants on all aspects of bridge design and inspection.
(03/09 – 11/12)	**I-49 Bridges (Various Segments), Under Retainer No. 4400000670** – Lead Engineer for LRFR load ratings for 18 bridges, design and final plans of over 10 bridge structures and 1 box culvert structure. Bridge types included steel girder, prestressed concrete, and slab spans. Managed several sub-consultants producing numerous bridge plans.
(01/13-11/15)	**Tappan Zee Bridge, NY Thruway Authority–** Project Manager/design engineer for design of precast tower and anchor pier slabs, pile templates, work platforms, and other systems. Also assisted in the design of temporary fender systems designed to protect the construction area from ice, wave, and ship impacts.
(10/14-03/15)	**St. Martin Parish Phase II Bridge Repairs, St. Martin Parish –** Project Engineer for the complete reconstruction of three concrete bridges. Construction consisted of new piles, concrete panel removal, new caps, new bulkheads, new wingwalls, new roadway approach work, new guardrail.
(10/14-05/15)	**St. Martin Parish Phase III Bridge Repairs, St. Martin Parish –** Project Engineer for the complete reconstruction of three concrete bridges. Construction consisted of new piles, concrete panel removal, new caps, new bulkheads, new wingwalls, new roadway approach work, new guardrail.
(11/17-07/18)	**Surrey St. Bridge Repairs, Lafayette Parish –** Assistant Project Engineer for the repair of the Surrey St. Bridge in Lafayette. Project consisted of bearing repair and replacement, concrete riser construction, deck overlay, joint repairs, painting of steel girders with full enclosure, and miscellaneous work.
(04/14-09/20)	**US 90 Albertsons Parkway Design Build –** Quality control/Quality Assurance for the design team for this design build project for the bridge plans at Albersons Parkway and for the bridge Plans at the BNSF Railroad crossing. Involved through construction.
(01/09-04/09)	**I-10 Calcasieu River Bridge Inspection, S.P. 700-10-0150**– Prepared final inspection report and performed QA/QC for this 6,617’ bridge structure.
(09/07 – 09/08)	**Atchafalaya River Bridge Inspection, S.P. 700-51-0109 -** Prepared final inspection report and performed QA/QC for the 3,746’ LA-182 Atchafalaya River Bridge at Berwick Bay, Louisiana and the 1,839’ US 90 Atchafalaya River Bridge at Morgan City, Louisiana.

Firm employed by **Huval & Associates, Inc.**			
Name	**Rudolph (Rudy) Mclellan, P.E.**	Years of experience with this firm/employer	3
Title	Senior Design Engineer	Years of experience with other firm(s)/employer(s)	41
Degree(s) / Years / Specialization		B.S., Civil Engineering with Honors, University of Florida, 1976 Master of Engineering in Structures, University of Florida, 1977 Post Graduate Studies in Structures, Louisiana State University, 1997	
Active registration number / state / expiration date		19994/LA/03/31/2022 31148/FL/02/28/2023	
Year registered	1981 and 1982	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Complex Bridge Design and Rating Engineer**	

Experience dates (mm/yy–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).

Mr. McLellan has over 40 years of experience in every facet of bridge and structural design in over 14 states including Louisiana, Texas, Mississippi, Alabama & Florida. He is experienced in complex bridge design, movable bridges and rating and has been responsible for studies, preliminary and final design, preparation of plans and specifications, cost estimate for highway and railroad fixed and movable bridge projects, flood control structure and special or complex structures, including field inspections and investigative studies. Mr. McLellan is progressively responsible, experienced and has expertise in creating innovative and cost-effective simple to complex bridges and structures. Mr. McLellan has been the chief structural engineer for the design of four movable bridge projects, including the Award Winning Double Leaf Fixed Trunnion Bascule Bridge in Louisa, Louisiana.

(09/18-Present)	**Belle Chasse Public-Private Partnership Project, Plaquemines Parish, Louisiana, Project No. H.004791** – Mr. McLellan performed preliminary bridge design calculations for the main navigational span over the ICWW Channel during the RFP design phase for the proposed high-level fixed bridge. Mr. McLellan currently is the **Lead Bridge Engineer** for the project. He is performing final design calculations for the ICWW Main Piers and will provide QA/QC for all bridge designs. The bridge construction will include Phase construction to maintain existing traffic through the corridor.
(05/19-Present)	**I-220/I-20 Interchange IMP & BAFB Access Design-Build Project, Louisiana, S.P. H.003370 –** Mr. McLellan is serving as **Design Quality Manager** on this Design-Build project which will provide direct access to Barksdale Air Force Base from the I-220/I-20 Interchange. Mr. McLellan has performed the Quality Assurance for the project including the Independent Check structural calculations of the I-220 / I20 Overpass bridges and Bridges over the KCS Railroad on the project.
(04/96-7/99)	**S.P. 239-01-0077 LA Highway 319 Intracoastal Waterway Bridge Louisa, St. Mary Parish, Louisiana** - Mr. McLellan performed preliminary and final structural design calculations for all superstructure and substructure members of the constructed 276 foot double leaf fixed trunnion bascule movable bridge. The Louisa Bridge is the state's longest steel girder double leaf bascule bridge, is one of the longest span of its type constructed in the nation and is the recipient of the National Steel Bridge Alliance's 2007 Prize Bridge Award Winner in the movable span category. 
(04/09-01/14)	**S.P. 840-43-0001 US 71 & US 165 Fort Buhlow Bridge & Approaches Over The Red River, Rapides Parish, Louisiana.** Structural Engineer - Mr. McLellan performed final structural design calculations for all superstructure and

	substructure members of the constructed twin fixed high level three span continuous steel plate girders having spans 300' - 400' - 300' and some of the prestressed concrete bulb tee girder approach structures supported by river piers with pile and drilled shaft footings constructed in cofferdams. The Main River Piers are subject to marine vessel (Barge) collision.
(01/87-Present)	**Old Mississippi River Railroad Bridge and Tunnel (Old U.S. 80), Vicksburg, Mississippi and Delta, Louisiana** - Mr. McLellan performed bridge safety and repair inspection, bridge load rating and structure maintenance and repair plans repairs for the existing combination highway and railway through truss, the approach deck girder bridge and the concrete tunnel structure. He performed the bridge repair designs, plans, constructability reviews and cost estimates for structural steel removal and replacement, girder strengthening, truss span vertical jacking, pier concrete removal and replacement. 
(04/83-07/86)	**BH-015-1(81) & (87) Mississippi River Bridge Parallel Crossing between Natchez, MS and Vidalia, LA and the Railroad Bridge Overpass in Natchez, MS.** Project Engineer in charge of structural design for the twin, five span, multiple cantilever through truss bridge with spans to 875' over the Mississippi River. The project included concrete and steel highway structures & a steel railroad bridge. Mr. McLellan performed the final structural design & rating calc's for all superstructure & substructure members of the constructed railroad bridge with steel girder spans over the highways.
(09/95-7/01)	**Project No. BRDP-9205-00(003) Mississippi River Bridge US 82 Greenville, Mississippi** – Mr. McLellan performed the design, quality review of plans, constructability, cost estimates and final calculations for the post-tensioned concrete segmental alternate and steel composite alternate of the 1,378 foot cable stayed main navigational span. He performed the final calculations for most of the constructed steel composite main span, river piers supported on dredge caisson type foundations and the anchor spans supported on piers with drilled shaft footings.
((03/85 - 01/94))	**I-49 / LA 3132 and I-49 / I-20 Interchanges, Shreveport, Louisiana, S.P. 455-08-23 & 455-08-20** - Mr. McLellan was the **Lead Bridge Engineer**, performed the design, quality review of plans, constructability, cost estimates & final structural calculations for most of the constructed members consisting of curved continuous steel trapezoidal box girders with spans to 250', steel box framed in cap beams, the post-tensioned concrete delta shaped central (tree) pier and architecturally flared piers of both the constructed four-level bridge interchanges. He performed final structural calc"s for most of the constructed superstructure and substructure members of the PPC concrete trapezoidal box girder (U-Girders) approach structures. 
(04/89 - 08/90)	**I-4 Turkey Lake Road Interchange, Broward County, Florida** - Mr. McLellan performed the final structural design calculations for all superstructure and substructure members for the **AISC Award Winning** curved continuous steel box girder bridge supported by architecturally flared concrete piers having mustang rope indentations. Steel frame-in cap beams were used in the I-4 median to allow for future widening of I-4. 

Firm employed by	**Huval & Associates, Inc.**				
Name	**William Lee Hupperich, PE, M ASCE**		Years of experience with this firm/employer	12	
Title	Mechanical Engineer		Years of experience with other firm(s)/employer(s)	13	
Degree(s) / Years / Specialization			Louisiana State University /1996/ Bachelor of Science, Mechanical Engineering		
Active registration number / state / expiration date			30451/LA/03-31-23; 37653/CA/09-30-21; 27091/MS/12-31-21; 38683/AL/12-31-21		
Year registered	2003/ 2015/ 2016/ 2019	Discipline	Mechanical Engineering		
Contract role(s) / brief description of responsibilities			**Mechanical Lead**		

Experience dates (mm/yy–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).
Holds over 25 years of experience in movable bridge mechanical systems, including machinery, plumbing, heating, ventilation, and air conditioning (HVAC) and wastewater systems. As the Movable Bridge Design Expert at LADOTD, designed, developed, and planned production of more than 15 statewide movable bridge projects. Now as Senior Mechanical Engineer at Huval & Associates, continues to engineer complex movable bridge machinery and operator house mechanical systems in Louisiana and Mississippi, expanding expertise in the field. Maintains his engineering license through ongoing professional development including life safety code, building codes, and ADA guidelines. Holds membership in Heavy Movable Structures, Inc., Louisiana Engineering Society, and American Society of Civil Engineers.	
11/19 - Present	**Larose Lock Structure, Larose, GLPC –** Designing and detailing final plans, specifications, and cost estimates for the following: Lock machinery consisting of the winch, reducer, idler, and deflector sheave assemblies; HVAC systems and exhaust fans for facility. Currently the project is at the 95% final plan delivery stage.
01/19 - 5/21	**New Swing Span- Herman Dupuis RD. Pontoon BR. Replacement, St. Martin, LA, Bridge Recall 200896 –**Designed, detailed, and sealed final plans, specifications, calculations, and cost estimates for the mechanical and electrical systems including: HPU, piping, Hydraulic motor, gearbox, rack, pinion, pivot bearing, balance wheels, track, live load rockers, end wedges, span balance, and movable traffic barriers.
10/19 - Present	**New Vertical Lift- GLPC, Airport Connector Road and Bridge, Lafourche, LA, S.P. H.011915 -**Designed, detailed, and sealed final plans, specifications, Calculations, and cost estimates for: tower drive machinery, span locks, counterweight ropes, skew control, leveling clutch, air buffers, movable traffic barriers, span shoes, counterweights and ropes, guide rollers, access systems and handrailing. Currently providing construction related engineering services including shop drawing review, RFI's, shop visits, site visits, and project management.
03/20 - Present	**Double Leaf Bascule Rehabilitation- SR 609 Bridge over Old Fort Bayou, Jackson, MS, BR-9385-00 (017) –** Designed and sealed the temporary hydraulic system including: operating cylinders, HPU schematic, piping, and control interface. Produced a calculation package for span resistance, cylinder loads, horsepower requirements, hydraulic schematic, and the selection of manufactured components for approval prior to manufacturing. Worked together with a hydraulic systems fabricator to build, test, ship, and install the complete system on the bridge. The hydraulic machinery is currently performing successfully while the bridge rehabilitation work is underway.

09/17 – 02/19	**Single Leaf Bascule Rehabilitation – Theriot Bridge, Terrebonne, LA, Parish Project 17-BRG-49 -** Designed, detailed, and sealed final plans, specifications, calculations, and cost estimates for mechanical system including: trunnion shaft and bearing assembly, winch and cable operating system, span balance calculations.
03/17 - Present	**Vertical Lift Rehabilitation- LA 336-1: Bayou Teche Bridge Rehab (HBI); St. Martin, S.P. H.011485 –** Performed site inspections and prepared reports containing recommended repair options and costs for DOTD. Designed, detailed, and sealed final rehabilitation plans, specifications, and calculations of the tower drive machinery, pier machinery and the movable traffic barrier. Currently performing construction related engineering services including shop drawing review, RFI's, shop visits, site visits, and project management.
06/13 - 04/19	**Vertical Lift Rehabilitation- LA 58: Bayou Petit Caillou (HBI), Terrebonne, LA, S.P. H.010006 –** Performed site inspections and prepared reports of recommended repair options and costs for DOTD. Designed, detailed, and sealed final plans covering new trunnion bearings, pinions, pinion bearings, primary and secondary gear reducers, brakes, drive shafting, counterweight ropes, span locks, air buffers, and guide rollers. Developed and sealed plans and specifications for the new operator's house covering HVAC, plumbing, exhaust fans, and STP.
01/13 - 03/17	**New Rolling Lift Bascule-Almonaster Avenue Bridge, New Orleans, LA, S.P. H.007250-** Developed and Delivered preliminary plans for the mechanical and architectural elements. Delivered 60% final plans, specifications, and cost estimate for the movable bridge machinery, operator's house, and machinery houses. Mechanical Design Elements: Curved tread and flat track plates, Span operating machinery, Span Locks, and Storm Locks. Operator's House Design elements: HVAC design and selection, plumbing riser, STP, fixtures, vent, and exhaust fans.
05/16 - 07/17	**Double Leaf Bascule Rehabilitation- Popp's Ferry Bridge, Biloxi, MS -** Performed a complete inspection of the bridge machinery and produced and stamped comprehensive report outlining mechanical deficiencies with estimated repair costs. Developed the plans and specifications for replacing the existing hydraulically operated center locks with a new electro-mechanical operated center lock system.
12/16 - Present	**Member of NCHRP 12-112 Panel -** Panel member for the development of the new AASHTO LRFD MHBDS. This new spec will incorporate reliability methodology into the movable bridge design process. Responsibilities include assist in the development of the research objective, selection of the consultant most qualified to perform the work, review, and comment on the specification throughout its development.
03/15 - 05/16	**Swing Span Rehabilitation- Cedar Lake Bridge, Biloxi, MS P.N. 979 –** Performed Site inspections and prepared a report containing recommended repair options and costs. Designed, detailed, and sealed final plans, specifications, and cost estimate for the swing span operating machinery, end wedge machinery, pivot bearing assembly, and relevant electrical components.
06/13 - 09/15	**Swing Span Rehabilitation- LA 671: Jeanerette Bridge Wedge System Repair, Iberia, LA, S.P. H.009467 -** Designed, detailed, and sealed final plans, specifications, and cost estimates for repairs to the end wedge system, refurbishment of the pivot bearing, adjustments to the span operating machinery. Performed construction related engineering services: submittal and shop drawing review, RFIs, and field inspections.

Firm employed by **Huval & Associates, Inc.**				
Name	**Matthew Hebert, P.E.**		Years of experience with this firm/employer	9
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)	6
Degree(s) / Years / Specialization			08/02-05/08 Bachelor of Science Civil Engineering	
Active registration number / state / expiration date			37713/LA/09/30/2023	
Year registered	2013	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Ratings and Design Engineer**	

Experience dates (mm/yy–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).
Mr. Hebert joined Huval & Associates, Inc. in 2013 with 5 years' experience in civil engineering. Previously employed with LADOTD, he was involved with the design, live load rating, plan development, and construction support of more than 20 bridge replacement projects. These consisted of various superstructure and substructure types including but not limited to: AASHTO precast prestressed concrete (P.P.C.) girders, quadbeams, cast-in-place slab spans, precast slab spans, concrete box culverts, P.P.C. pile bents, steel H-pile bents, and pipe pile bents. Additionally, Mr. Hebert was project manager for multiple bridge replacement projects. His responsibilities included coordinating all aspects of the plan development process including but not limited to road, bridge, hydraulic, and geotechnical engineering and determining the project scope, schedule, and budget. Mr. Hebert's training includes the NHI LRFR for Highway Bridge Superstructure Course, the NHI AASHTO LRFD for HWY Bridge Superstructure Course NHI AASHTO LRFD for Highway Bridge Substructure Course, and the NHI AASHTO Roadside Design Course.	
(07/18-Present)	**Belle Chasse Bridge & Tunnel Replacement (P3) 30% Design, S.P. No. H.004791–** Lead Engineer in the preparation of steel plate girder design, prestressed girder design, and plan development, as well as proposal documents for the RFP phase of the project. Assisted in the FB-Pier modeling and analyzing of piers in the Gulf Intracoastal Waterway (GIWW) for vessel collision. Developed alternative technical concepts, suggested sequences of construction, and miscellaneous construction details. Assisted in the coordination and organization of all project data with various members of the design team, including sub-consultants.
(02/17-Present)	**I-10 Widening-I-49 to LA 328, S.P. No. H.003003–** Lead Engineer for I-10 Widening Construction Services. Tasks include crane trestle design, cofferdam/sheeting design/calculations for bent footings, girder stability calcs., girder erection plans, cap/span formwork, overhang form design and temporary girder bracing, gantry crane analysis, closer pour elimination.
(02/17-Present)	**I-10 Design Build-LA 42 to LA 73, S.P. No. H.009250-** Lead Engineer for the LRFD design, plan preparation, and LRFR live load rating for the Highland Rd. overpass. Highland Rd. consisted of a full replacement of 2 existing structures utilizing a 3-span structure which included 2-60ft. prestressed girder spans and 1-190ft. steel plate girder span. The superstructure is support by column bents and pile bents and will be one structure at the end of the project. In order to maintain traffic, the bridge had to be constructed in 3 separate stages.
(09/13 –12/14)	**I-10: Ramah to West Baton Rouge Parish Line, H.010318 -** Lead Engineer for the plan preparation of the replacement of 4 approach slabs on I-10.

(04/14– 07/18)	**I-40-Blackfish & Shell Lake STR. & Approaches S.P. No. BB0113 & BB0114 –** Lead Engineer for steel girder erection. Tasks included cofferdam, trestle and formwork design. Mr. Hebert also performed analyses of the existing bridges, so crawler cranes could work off of the structures to build the new bridge.
(08/13-07/18)	**Off-System Live Load Bridge Ratings, -** Lead engineer for the inspection and LRFR live load ratings of over 100 off-system bridges throughout the State of Louisiana. Bridge types include timber trestles, cast-in-place and precast slab spans, vertical lifts, steel pony truss swing spans, steel stringer spans, steel railroad cars, concrete box culverts and p.p.c. girders.
(04/14-07/18)	**I-49 South-US 90 Albertson Pkwy to Ambassador Design Build, H.010620–** Lead Engineer for LRFD Bridge design and plan preparation of the mainline bridge and the two frontage road bridges over BNSF Railway. The brides consisted of BT-72 girder spans with column bents and pile footings.
(05/15 – 11/15)	**Sasol North America, Inc., Heavy Haul Route–** Lead Engineer for the LRFD Bridge Design and plan preparation of an AASHTO Type 3 & BT-72 girder bridge with column bents and pile footings Over KCS Railway.
(07/13-07/14)	**Bayou Lafourche Bridge On U.S. 80, S.P. H.000174**- Assisted in the LFRD design and plan preparation for an AASHTO Type 3 girder bridge with full-depth precast concrete deck panels.
(02/13-9/14)	**Dolet Hill Lignite Company, Bayou Pierre Crossing (2013-2014)** - Assisted in the LRFD design and plan preparation of a BT-72 girder bridge. In addition to the HL-93 design live load, the bridge was also designed to carry two (2) CAT 785D mining trucks with a GVW of 550 kips each.
(05/16-04/17)	**LA 70: Mississippi River Bridge-Phase III, S.P. No. H.012343 -** Assisted Lead engineer for the rehabilitation of the approach spans super and substructure. Including finger joint replacements, girder splice repairs and trestle bent repairs.
(06/08-07/13)	**Project-Related Experience with LADOTD:** • LA 941 Over I-10 Girder Repair, S.P. 803-27-0007– Lead Engineer in the design and plan preparation for the replacement of two damaged AASHTO Type 4 girders. • Bayou Lacassine Bridge, S.P. H.002071 – Lead engineer for the LRFD design for an AASHTO Type 3 girder bridge. • Burney Branch– Lead Engineer for the LRFD design and plan preparation for an AASHTO Type 4 girder bridge. KCS Railway Overpass on LA 175, S.P. H.001073– Assisted in the LRFD design and plan preparation for an AASHTO Type 2 & 3 girder bridge and LRFD substructure design for an ACROW panel detour bridge.

Firm employed by	**Huval & Associates, Inc.**		
Name	**Patrick Wilson, P.E.**	Years of experience with this firm/employer	13
Title	Civil Engineer	Years of experience with other firm(s)/employer(s)	38
Degree(s) / Years / Specialization		08/66-05/70 Bachelor of Science - Civil Engineering 08/80-05/82 Master of Science, Structural Engineering	
Active registration number / state / expiration date		23207/LA/03/31/2023	
Year registered	1988	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Reporting, Rating, and Design Engineer**	

Experience dates (mm/yy–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).
Mr. Wilson joined Huval & Associates with over 38 years experience in bridge and structural design for clients including the Louisiana DOTD, Mississippi DOT, Alabama DOT and Florida DOT. Projects include design of new bridges; load rating, rehabilitation and repair of existing bridges; bridge scour analysis and inspection of On-System and Off-System bridges in accordance with the National Bridge Inspection Standards. November, 2007 Mr. Wilson successfully completed the National Highway Institute Training Course FHWA-NHI-130081D, LRFD for Highway Bridge Superstructures	
(02/08-11/08)	**Red River Bridge Rehabilitation, LA 511, S.P. 701-65-1028** - Lead Engineer for inspection & development of bridge repair and rehabilitation plans.
(02/08 – 12/10)	**LA 3094 Over Twelve Mile Bayou Bridge Rehabilitation, S.P. 701-65-0880 -** Project Lead Engineer for the bridge repair and rehabilitation to include engineering and construction related services.
(03/08 –11/12)	**I-10 Calcasieu River Bridge Repairs, S.P. 700-65-1317–** Lead Engineer for the repair and rehabilitation of the I-10 bridge over the Calcasieu River to include assessments, inspections, preliminary plan development and final plan development.
(04/09– 12/10)	**LA 160 Bridges: Bodcau Bayou & Caney Creek, S.P. 701-65-1350 -** Lead Engineer for plan development, integral abutment bridges.
(03/09-11/10)	**I-49 Over Myricks, Dooley & Swift Bayou, S.P. 701-65-1041 -** Lead Engineer for the design and final plans of these bridges.
(03/11 – 10/15)	**Jackson Street Bridge Over Red River, S.P. H.000579.5 -** Lead Engineer to prepare preliminary & final plans for the rehabilitation of the Jackson Street Bridge over the Red River, a vertical lift span with a main lift span of 300'. This project involved the rehabilitation of the main lift span, mechanical and electrical components, replacement of the lift span grid deck, replacement of cracked abutment backwall and approach slab on the Pineville, LA approach, and reconstruction of the pedestrian sidewalk to conform to requirements of the ADA Accessibility Guidelines. Responsibilities include coordination with DOTD Project personnel and Sub-consultant personnel, supervision of Huval staff engineers, design of steel and concrete components of the new sidewalk, design and detailing of abutment components, computation of quantities, and preparation of cost estimates.
(04/11-12/15)	**LA 70, Sunshine Bridge Repairs, Phase I & II, S.P. H.004890.5 & H.009104.5 -** Lead Engineer for the preparation of the preliminary and final plans for the repairs and painting of the Sunshine Bridge over the Mississippi River. Work included structural inspections of various members.

.

(03/19-08/20)	**Belle Chasse Lift Bridge Inspections** – Performed baseline inspection of structural and mechanical elements of the Belle Chasse Lift Bridge. Also assisted with Routine inspection of the bridge.
(01/98-01/08)	**Project-Related Experience with Other Firms:** **Update Load Factor Rating for Complex Bridges, Statewide, for the Louisiana DOTD** - Project Manager, which involved the update of Load Factor Ratings for approximately 70 complex bridges statewide to include; curved steel plate girder spans, steel through cantilever truss spans, continuous steel plate girder spans, continuous steel plate girder spans employing pin-and-hanger connections, rolled steel I-Beam spans, and reinforced concrete deck girder spans. **Pontis Bridge Inspection and Development of Pontis Models, Statewide, for the Louisiana DOTD** - Project Manager, which involved the Pontis element inspection of approximately 400 bridges statewide and the development of Pontis Cost Models for bridge repair, rehabilitation, and replacement. Responsible for managing the overall consultant team, coordination with DOTD bridge maintenance and bridge management sections. In addition, supervised two bridge inspection teams. The development of the Pontis Cost Models involved a first-of-its-kind effort in the state of Louisiana. **Design-Build Proposal for the Widening of I-12, East Baton Rouge and Livingston Parishes) -** Responsible for leading the structural design team for the bridges associated with a responsive Design-Build proposal. The proposal included two new AASHTO precast, prestressed concrete bridges across the Amite River with total lengths of approximately 2,600 feet. The widening of four continuous rolled steel I-beam bridges across O'Neal Lane and South Range Avenue. The widening of two AASHTO precast, prestressed concrete girder bridges across 4-H Club Road.

Firm employed by	**Huval & Associates, Inc.**			
Name	**Justin Peltier, P.E.**		Years of experience with this firm/employer	9
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)	8
Degree(s) / Years / Specialization			08/01-05/05 Bachelor of Science Civil Engineering	
Active registration number / state / expiration date			34765/LA/09/30/2023	
Year registered	2009	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Load Rating Engineer**	

Experience dates (mm/yy–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).
	Mr. Peltier joined Huval & Associates in 2013 with 8 years of experience in civil engineering. Previously employed with LADOTD, he was involved with the design, live load rating, plan development, and construction support of more than 20 bridge replacement projects. These consisted of various superstructure and substructure types including but not limited to: AASHTO p.p.c. girders, quadbeams, cast-in-place slab spans, precast slab spans, steel girders, concrete box culverts, p.p.c. pile bents, steel H-pile and pipe pile bents, timber pile bents and column bents supported by drilled shafts and/or p.p.c. pile footings. Mr. Peltier assisted in developing and maintaining LADOTD's highway safety hardware details and specifications, including but not limited to guard rail, barrier rail, and crash cushion attenuators. He served as the Engineer of Record for the LADOTD concrete barrier rail and the detour bridge special details. Mr. Peltier's training includes the NHI LRFR for Highway Bridge Superstructure Course, the NHI AASHTO LRFD for Highway Bridge Superstructure Course, the NHI AASHTO LRFD for Highway Bridge Substructure Course, the Roadside Design Course, ATSSA Traffic Control Technician and Supervisor Course.
(08/19-06/20	**I-10 and I-12 College Flyover Ramp Design Build Project RFP Phase 30% Design – S.P. H.013897 –** Served as the lead bridge engineer for the preparation of bridge plans, construction cost estimates and proposal documents for the RFP phase of the project. The bridges included a new curved steel plate girder bridge over I-12 WB, a new p.p.c. girder bridge over Ward Creek and rehabilitation and widening of an existing steel plate girder bridge over I-12 EB. Assisted in development of alternative technical concepts, suggested sequence of construction, and other plan details. Assisted in the coordination and organization of all project data with the various members of the design team from numerous consulting firms.
(01/19-05/19)	**I-10 Loyola Design-Build Project RFP Phase 30% Design - S.P. H.011670–** Assisted in the preparation of steel tub girder design and details, concrete box girder design and plans, as well as plans and proposal documents for the RFP phase of the project. Assisted in development of alternative technical concepts, suggested sequence of construction, and miscellaneous bridge and other details. Assisted in the coordination and organization of all project data with the various members of the design team from numerous consulting firms.

(06/14-04/19)	**US 90 (I-49South), Albertson's Parkway to Ambassador Caffery, Design-Build Project, Lafayette Parish, S.P. No. H.010620.** Served as the lead bridge engineer for the new US 90 bridge over Albertson Parkway and provided Q.C. for the US 90 BNSF RR overpass bridge within the same footprint as the existing bridge while maintaining 4-lanes of US 90 traffic during construction. This presented unique design challenges and required a complex, three-phase, traffic control and construction sequencing plan to move traffic safely through the tight work zone. The bridges consisted of multi-continuous p.p.c. girders spans supported by concrete column bents and pile footings. The developed design concept saved millions of dollars and allowed the James Team to be 15% below the construction estimate of the nearest competitor.
(7/17-Present)	**I-10: Highland Road to LA 73, Design Build Project, East Baton Rouge & Ascension Parish, S.P. No. H.009250**. Served as the lead bridge engineer for the widening of the I-10 E.B. and W.B. slab span bridges over Manchac Bayou and provided Q.C. for the replacement of the I-10 E.B. and W.B. bridges over Highland Road with a new steel plate girder bridge with p.p.c girder approach spans. The existing I-10 mainline bridge at the Highland Road interchange needed to be reconstructed under the project to provide longer spans in addition to more lanes. An innovative sequence of construction scheme and bridge design enabled construction of this bridge while maintaining 74,000 ADT traffic. Huval's cost-effective designs enabled its design-build team to be the only competitor to fit within the Owner's budget of $72 million.
(03/19-Present)	**I-220/I-20 Interchange IMP & Barksdale Access Design-Build Project, Bossier Parish, LA DOTD S.P. No. H.003370.** Currently the bridge design manager and lead bridge design and load rating engineer for the I-220 bridges over I-20 and Barksdale Access Road bridges over the KCS Railroad and also responsible for implementing the QC/QA plan for the bridge design and plan development process. The I-220 structures over I-20 consist of twin bridges utilizing LG-54 p.p.c. girder spans supported by concrete column bents and drilled shafts. The Barksdale Access Road structures consist of twin bridges utilizing LG-54 p.p.c. girder approach spans supported by concrete pile bents and a main span over the KCS Railroad consisting of 170'-0", LG-78 p.p.c. girders supported by concrete column bents and drilled shafts. Some unique challenges that the project has presented is designing applicable I-220 bridge column bents for vehicular collision and completely spanning the KCS own right-of-way utilizing concrete p.p.c. girders.
(07/13 – 07/14)	**Bayou Lafourche Bridge on U.S. 80, Ouachita & Richland Parish, S.P. No. H.000174.** Served as the lead bridge engineer for the replacement of the existing bridge over Bayou Lafourche with a new p.p.c. girder bridge. This project was selected as research project to be part of FHWA's Everyday Counts Initiative to promote accelerated bridge construction (ABC) techniques. In lieu of using a cast-in-place concrete deck, full depth precast concrete deck panels were selected as the detail to promote ABC. As part of the Initiative, a proprietary post tensioning system, AccelBridge, was chosen as the method used to apply the required compression to the transverse deck panel joints before they were made composite with the p.p.c. girders.
(10/16-12/17)	**LA 443: Tangipahoa River Bridge Replacement, S.P. H.012728 -** Lead engineer in the LRFD design, LRFR load rating, and plan preparation of a LG-25 and LG-36 p.p.c. girder bridge. This was an emergency replacement, due to the flood of 2016, and 100% final plans were completed in 8 weeks.

Firm employed by **Huval & Associates, Inc.**			
Glenn McCall, P.E.	Years of experience with this firm/employer	2	
Civil Engineer	Years of experience with other firm(s)/employer(s)	22	
Degree(s) / Years / Specialization	Bachelor of Science Civil Engineering / Structural, 05/97 Bachelor of Science Agricultural Engineering, 05/96		
Active registration number / state / expiration date	29639/LA/09/30/2023		
2001	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities	**Traffic Design Engineer**		

Experience dates (mm/yy–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).
Mr. McCall came to Huval & Associates with over 22 years of experience in transportation related projects. Mr. McCall's experience has ranged from project inception and identification of funding, to the NEPA process, following with production of construction documents and through construction with construction engineering and inspection (CE&I). Most of his experience has been related to detailed engineering, quality assurance/quality control (QA/QC), constructability reviews, and CE&I. Mr. McCall is well versed in roadway design, traffic control plans, concrete, steel, and timber design as well as drainage and municipal utility design. Over the course of his career, he has designed roadways and bridges for State DOTs, local municipalities, and several private clients related to the oil and gas industry. Mr. McCall's training includes ATSSA Traffic Control Technician as well as Traffic Control Supervisor.	
(06/19-Present)	**Belle Chasse Bridge & Tunnel Replacement Project, S.P. H.004791 –** Mr. McCall is serving as a senior design engineer on this P3 project which will construct a new toll bridge over the Gulf Intercoastal Waterway (GIWW). Mr. McCall has assisted with the completion of alternate technical concept No. 1 which will improves the efficiency of all intersections within the construction limits. In addition, Mr. McCall has worked as a senior engineer reviewing geometric design and layout, coordination of right of way and utility work and quality checks on hydraulic analysis and subsurface drainage. In addition to the design duties, Mr. McCall has also assisted with the project management activities including the management of sub-consultants, invoicing and progress reports, as well as design quality checks and adherence to the requirements of the Form DR Process.
(11/19- 06/20)	**I-10 and I-12 College Dr. Flyover Ramp Design-Build Project RFP Phase 30% Design - S.P. H.013897–** As a Senior Engineer on the Team in pursuit of this Project, Mr. McCall assisted with various components of the project. Early on, his involvement centered around the review and understanding of the RFP documents. As the project progressed, Mr. McCall primarily served as a technical advisor in the design and layout of the roadway as well as the drainage analysis. Mr. McCall also participated in the evaluation of proposed team alternatives for the project in addition to quality control review of the technical proposal.
(05/13-05/19)	**US 90(I-49 South) Albertson's Parkway to Ambassador Caffery Design-Build S.P. H.010620** – Under the Design-Build Contractor, Mr. McCall served as the Principal in Charge of the Design Team for this project. In this role, Mr. McCall provided coordination between the Contractor and all members of the design team through coordination with the Project Manager. Mr. McCall also provide lead technical experience to the design team during initial construction document production and through completion of construction of the project.

(06/16-Present)	**I-49 South @ Verot School Road, S.P. H.011235.5 –** Mr. McCall served as senior engineer for the road and drainage design portion of this project encompassing the Verot School Rd. improvements as well as the parallel service road. In addition to the roadway aspects, Mr. McCall also provided the customized drainage design for the scuppers on the bridge structures. Mr. McCall has created a SWMM model of the existing and proposed conditions which will be used to meet the requirements of the railroad owner adjacent to the project. This model is a hydrodynamic model with evaluates water surface elevations at time step intervals for the 100-year storm event while also dynamically modeling the water surface elevation of the outfall channel.
(06/19-Present)	**I-220/I-20 Interchange IMP & BAFB Access Design-Build Project, S.P. H.003370 –** Mr. McCall is serving as a senior design engineer on this design build project which will provide direct access to Barksdale Air Force Base. Most recently, Mr. McCall has assisted with the sequence of construction and geometric layout for the proposed improvements to the I-220 to I-20 SB/WB ramp. This modification to the original intent seeks to provide phased construction of this ramp while maintaining full access to I-20. Mr. McCall is also assisting with project management duties and financial controls for Huval and its sub-consultants. In addition, Mr. McCall has completed the design of the box culvert location, coordinated with the electrical sub-consultant on the lighting inventory report and layout as well as assist the Project Manager with various aspects of the project management duties required for this project.
(09/13-02/19)	**Heavy Haul Road Project (HHR), Lake Charles Chemical Complex Project –** Principal in charge and Senior Technical Lead for the 2017 **LADOTD Excellence Award** winning project. This project improved LA HWY 379 in Lake Charles, LA in support of the $11B petrochemical project for Sasol North America. For this project, the existing road improvements were required to meet LADOTD standards while accommodating over 300 heavy haul moves across the almost three miles of roadway. The final design incorporated additional pavement and pavement markings to both accommodate heavy haul vehicles ranging in length from 150’ to over 300’ with weights varying from 500 tons to over 3,000 tons. Since LA 379, is a significant arterial to the community the design also accommodated the peak traffic demands of the community as well as the 6,000 plus workers accessing the site daily. Once the geometric improvements were approved by the State, Mr. McCall lead the Construction Administration. At the conclusion of the project, Mr. McCall and his team submitted the LADOTD required 3059 construction packet for approval. The project team was presented with the Excellence award as a result of the private-public partnership which improved the existing roadway in accordance with all state standards and completed the project ahead of schedule and under budget.
(06/19-9/19)	**I-10 (LA 415 to Essen on I-10 and I-12), S.P. H.004100 –** Mr. McCall served as a senior design engineer responsible for the creation of the Project Implementation Plan (PIP). The PIP is a compilation of the various project aspects related to the widening project and the associated constructability reviews completed by Huval and Associates.

Firm employed by **Huval & Associates, Inc.**					
Name	**Reid Romero, P.E.**		Years of experience with this firm/employer	13	
Title	Civil Engineer		Years of experience with other firm(s)/employer(s)	0	
Degree(s) / Years / Specialization			08/04-05/08 Bachelor of Science Civil Engineering		
Active registration number / state / expiration date			37772/LA/09/30/2023		
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			**Bridge Design and Rating Engineer**		

Experience dates (mm/yy–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).
Mr. Romero came to HUVAL after graduating from the University of Louisiana at Lafayette in 2008. Since joining Huval & Associates, Inc., Mr. Romero has been involved in bridge and structural design, plan preparation, bridge inspections and construction support services. Mr. Romero completed several NHI training courses including Fundamentals of LRFR and Applications of LRFR for bridge superstructures course, and a Drilled Shaft LRFD design methods and construction procedures course. Mr. Romero is familiar with the LADOTD Bridge Design Manual, LADOTD LRFD Bridge Design Manual, 2002 AASHTO Bridge Specifications, as well as the current AASHTO LRFD Bridge Specifications.	
(03/19-Present)	**I-220/I-20 Interchange Imp & BAFB Access Design Build Project – S.P. No. H.003370 –** Responsible for QA of the bridge plans and load rating for the LA 1267 bridges over I-20 and the LA 1267 bridges over the KCS Railroad. The LA 1267 structures over I-20 consist of twin bridges utilizing LG-54 p.p.c. girder spans supported by concrete column bents and drilled shafts. The LA 1267 structures over KCS Railroad consist of twin bridges utilizing LG-54 p.p.c. girder approach spans supported by concrete pile bents and a main span over the KCS Railroad consisting of 170'-0", LG-78 p.p.c. girders supported by concrete column bents and drilled shafts. Some unique challenges that the project has presented is designing applicable LA 1267 bridges over I-20 column bents for vehicular collision and completely spanning the KCS own right-of-way utilizing concrete p.p.c. girders.
(01/19-05/19)	**I-10 Loyola Design-Build Project RFP Phase 30% Design - S.P. H.011670–** Lead bridge engineer throughout the RFP design phase for this complex urban interchange. Assisted in the preparation of steel tub girder design and details, concrete box girder design and plans, as well as plans and proposal documents for the RFP phase of the project. Created dozens of computer models in order to analyze and size the steel tub girders, taking into account system redundancy. Assisted in development of alternative technical concepts, suggested sequence of construction, and miscellaneous bridge and other details. Assisted in the coordination and organization of all project data with the various members of the design team from numerous consulting firms.
(4/18 – Present)	**Retainer for Engineering Services for Bridge Preservation - Statewide, Contract No. 4400011225 -** Lead Engineer of Retainer Contract. Responsible for coordination, project setup, QA/QC, and bridge rehab design for the $4M retainer.
(06/14-05/19)	**US 90 (I-49South), Albertson's Parkway to Ambassador Caffery, Design-Build Project, Lafayette Parish, S.P. No. H.010620.** Performed QA/QC of the LRFD bridge design calculations, LRFR load rating, and plan preparation of a BT-72 girder bridge. The new US 90 bridge over Albertson Parkway and the US 90 BNSF RR overpass bridge were built within the same footprint as the existing bridge while maintaining 4-lanes of US 90 traffic during construction. This presented

	unique design challenges and required a complex, three-phase, traffic control and construction sequencing plan to move traffic safely through the tight work zone. The bridges consisted of multi-continuous p.p.c. girders spans supported by concrete column bents and pile footings. The developed design concept saved millions of dollars and allowed the James Team to be 15% below the construction estimate of the nearest competitor.
(7/17-Present)	**I-10: Highland Road to LA 73, Design Build Project, East Baton Rouge & Ascension Parish, S.P. No. H.009250**. Led the design, plan preparation, and load rating for the repair of the prestressed girder bridge on LA 928. Performed QA/QC of the LRFD design calculations and load rating for the steel girder bridge at Highland road and the slab span widening at Bayou Manchac. The existing I-10 mainline bridge at the Highland Road interchange needed to be reconstructed under the project to provide longer spans in addition to more lanes. An innovative sequence of construction scheme and bridge design enabled construction of this bridge while maintaining 74,000 ADT traffic. Huval's cost-effective designs enabled its design-build team to be the only competitor to fit within the Owner's budget of $72 million.
(10/16-12/17)	**LA 443: Tangipahoa River Bridge Replacement, S.P. H.012728 –** Performed QA/QC of the LRFR load rating and plan preparation of a LG-25 and LG-36 p.p.c. girder bridge. This was an emergency replacement and 100% final bridge and roadway plans were completed in 8 weeks. In addition to the emergency timeline, the project had to be designed and constructed within the existing right-of-way and could not interfere with another bridge structure located approximately 250ft east of the existing bridge to be replaced. LADOTD also required that the low chord elevation of the new bridge be set to maximize the design storm flood year while also meeting all other project constraints. The design of the bridge also had to meet the LADOTD minimum design guidelines for design speed and ADT
(11/17-07/18)	**Surrey St. Bridge Repairs, Lafayette Parish –** Lead Engineer for the repair of the Surrey St. Bridge in Lafayette. Project consisted of bearing repair and replacement, concrete riser construction, deck overlay, joint repairs, painting of steel girders with full enclosure, and miscellaneous work.
(03/11-06/13)	**I-49 Segment I Ratings, S.P. 701-65-9999 –** Performed as-designed LRFR calculations on two prestressed girder bridges. Utilized VIRTIS to model varying girder spans. Created rating reports for each span configuration. Developed bridge load rating summary sheets. Provided construction services on an as-needed basis.
(01/12– 11/13)	**I-49 North Segment J (MLK Blvd. to LA 1), S.P. H.003496.5–** Performed LRFD design calculations and led plan preparation on two prestressed girder and steel girder bridges. Performed approach slab design, girder design check using LEAP Conspan, cap and column design check using LEAP RC Pier, steel girder design check using MDX, deck and overhang reinforcing design check, strip seal joint opening calculations, quantity calculations and QA/QC, and elevation calculations Mr. Romero also provided load rating of the completed structure.
(03/09-11/10)	**I-49 North (LA 1 – LA 173), S.P. 701-65-1230 & S.P. 701-65-1349–** Assisted in plan preparation and performed LRFD design calculations on a Type BT Prestressed Girder Bridge and a Type IV Prestressed Girder Bridge. Performed fixed and expansion bearing pad design, deck and overhang reinforcing design, quantity calculations and QA/QC, strip seal joint opening calculations, girder design check using LEAP Conspan, cap and column design check using LEAP RC Pier, and elevation checks.

Firm employed by **Huval & Associates, Inc.**					
Name	**Patrick Broussard, C.B.I.**			Years of experience with this firm/employer	5
Title	Inspector *Part Time			Years of experience with other firm(s)/employer(s)	38
Degree(s) / Years / Specialization			NA		
Active registration number / state / expiration date			NA		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			**Bridge Inspections**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Broussard began his career with the LADOTD in 1989 as an engineering technician. In 1992, he became a bridge inspector for the LADOTD and was responsible for planning and preparing for inspection of District 03's bridges, which consisted of approximately 800 stationary and 60 movable bridges. In 1996, Mr. Broussard was promoted to the position of Bridge Maintenance and Inspection Supervisor and he held this position until his retirement from the LADOTD in 2017. Mr. Broussard is an LADOTD Certified Bridge Inspector and has performed as Team Leader for the LADOTD on hundreds of bridge inspections. He is also current on the ATSSA Traffic Control Technician, Traffic Control Supervisor, and Flagger Courses.	
(12/02-04/17)	**Louisiana Department of Transportation and Development** Engineering Tech. 5 (Bridge Inspection Team Leader) Lead a two man inspection team in conducting in depth inspections on new and existing on-system and off- system bridges consisting of small simple timber structures to large complex fixed and moveable structures and entered all data and inspection findings in Inspect Tech, LADOTD inspection reporting program. Supervised and inspected major repairs and reconstruction performed by district and state wide repair crews.
(11/90-11/02)	**Louisiana Department of Transportation and Development** Engineering Tech 4 (Bridge Inspector) Conducted in depth inspections on new and existing on-system and off- system bridges consisting of small simple timber structures to large complex fixed and moveable structures and entered all data and inspection findings in Inspect Tech LADOTD inspection reporting program. Supervised and inspected major repairs and reconstruction of performed by district and state wide repair crew. Worked with local government officials, agencies, and private bridge owners to facilitate bridge inspections and closing and or opening of bridges. Conducted yearly compliance reviews of all parishes participating in the Federal Off-System Bridge Replacement Program as mandated by the Federal Highway Administration.
(04/07 – Present)	**Various Bridge Inspections–** Conducts bridge inspections on various types of bridges throughout the state of Louisiana and Mississippi. Inspections are performed on a wide range of bridge complexities from slab span to major river truss type structures including the Vicksburg RR bridge over the Mississippi.

Firm employed by	**Huval & Associates, Inc.**			
Name	**Eddie Smith, C.B.I.**		Years of experience with this firm/employer	6
Title	Inspector *Part Time		Years of experience with other firm(s)/employer(s)	43
Degree(s) / Years / Specialization			NA	
Active registration number / state / expiration date			NA	
Year registered	NA	Discipline	NA	
Contract role(s) / brief description of responsibilities			**Bridge Inspections**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Smith began his career with the LADOTD in 1979 as an engineering aid. In 1989, he became a bridge inspector for the LADOTD and was responsible for planning and preparing for inspection of all District throughout the state. As a certified bridge inspector Mr. Smith was part of a four (4) man inspection team responsible for conducting in-depth inspections of approximately 1600 bridges, both On and Off system structures. The types included flat deck, treated timber, high level, ferry, pontoon swing span, and lift span structures. Mr. Smith assisted on in-depth inspections which involved sub professional engineering work and special training on technical data describing each bridge element in a narrative and numerical rating system including the Pontis rating system.	
1979-2016	**Louisiana Department of Transportation and Development** • Coordinated and supervised the inspections performed by District 03 Lafayette, Louisiana bridge inspection teams. • Directed quality control for three inspection teams consisting of three team leaders and various engineering technicians, inspecting approximately 1,000 off-system bridges and 1,200 on-system bridges. • Directed quality assurance of bridge inspections that were to be done in accordance with the provisions of the federal surface transportation assistance act of 1978 and CFR 23, part 650 of the National Bridge Inspection Standards. • Reviewed inspection reports, sketches and ratings to for compliance with all DOTD/FHWA policies and procedures. • Developed a one and one-half day bridge inspection course for the Louisiana Transportation Assistance Program (LTAP), consisting of fundamental procedures for interim inspection of off-system bridges. • Coordinated annual review of off-system bridge owner participation for FHWA and DOTD compliance. • Recommend bridge closures for on-system and off-system bridges and notified DOTD Headquarters and local emergency services of such closures. • Provided twenty-four hour on-call services for all electrical or mechanical problems for district bridges, buildings and rest areas, as well as any damage caused by vehicular of marine accidents.
(11/90-11/02)	**SR 63 over Escatawpa River Girder and Weld Repairs – Pascagoula, MS –** Inspector for the in-depth steel repair inspection. Responsible for coordination, inspections, and reporting for the $3M construction contract.
(01/06 – Present)	**Various Bridge Inspections–** Conducts bridge inspections on various types of bridges throughout the state of Louisiana and Mississippi. Inspections are performed on a wide range of bridge complexities from slab span to major river truss type structures including the Vicksburg RR bridge over the Mississippi.

Firm employed by	**Huval & Associates, Inc.**			
Name	**Raymond Provost E.I. , C.B.I.**		Years of experience with this firm/employer	22
Title	Construction/Bridge Inspector		Years of experience with other firm(s)/employer(s)	8
Degree(s) / Years / Specialization			08/92-05/96 Bachelor of Science Civil Engineering	
Active registration number / state / expiration date			17542/LA/03/31/2023	
Year registered	1997	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Bridge Inspections**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Provost's responsibilities while at Huval & Associates, Inc. include engineering projects involving bridge inspections, the development of Structures and Geometric Design with associated details for complete engineering construction sequence. He has completed the two-week FHWA approved comprehensive bridge training course for bridge inspectors, certified as a Bridge Inspector. Mr. Provost is also working toward his Professional Land Surveyor (PLS) certification and performs all in-house surveys, right-of-way studies and construction layouts. His surveying experience under a PLS includes major topographic survey of large roadway projects to subdivision projects.	
(01/97-11/97)	**Louisiana Department of Transportation and Development, S.P. 700-99-0156 -** Civil Engineer for Bridge rating analysis on 67 structures contracted by Huval & Associates. Analysis of load ratings on simply supported multi-span continuous, complex types (truss & truss beam), timber sub & super structures, pre-stress concrete & plate girder systems.
(03/03 – 11/05)	**LA 108 over I-10 Bridge Rehab - Sulphur, LA, S.P. 700-99-0232** - Responsible for the organization, design and preparation of the roadway plans associated with the project. Includes detour roadway layout, roadway widening, vertical and horizontal layouts, construction phasing and signage.
(01/01–12/07)	**West Pont Des Mouton Roadway - Lafayette, LA -** Responsible for the organization, design and preparation of the roadway plans associated with the project. Includes roadway geometric layout, drainage, access management, detour, construction phasing, signage and detail designs associated with the urban arterial. Project Manager for construction phase of the project.
(05/08)	**Leblanc Road Bridge Inspection - Lafayette, LA-** Responsible for inspection of this six span structure owned by the City of Lafayette. Provide assessment report of the superstructure and substructure for posting and future rehabilitation.
(06/08)	**West Verdine Street Bridge Inspection - Sulphur, LA** - Responsible for inspection of substructure of this bridge structure owned by the City of Sulphur and recommended repair details for rehabilitation of support piles.
(07/08)	**Avenue D Bridge Inspection - Crowley, LA -** Responsible for inspection and assessment of substructure and recommended repair details for rehabilitation of support piles.

(03/10-11/10)	**Ayreshire Drive Bridge Inspection - Lafayette, LA -** Responsible for inspection of the superstructure and substructure of this bridge structure owned by the City of Lafayette. Provided recommendations for repair option: rehabilitation of timber piles (short term option) or replacement of structure (long term option). Existing conditions required reposting based on inspection report.
(02/10-10/10)	**Beau Bassin Road Bridge Inspection - Lafayette, LA -** Responsible for inspection of the superstructure and substructure of this three span timber bridge with concrete deck. Inspection report recommended bridge closure due to unsafe conditions requiring replacement of the existing structure.
(03/11-11/12)	**I-10 Overpass Bridges - Various Locations, S.P. H.009319.5 -** Responsible for inspection of thirteen I-10 overpass bridge structures owned by the Louisiana Department of Transportation and Development. Initial contract was to assess paint condition and corrosion to steel support members. Inspection was expanded to cover all substructure and superstructure elements. Deficits were detailed to plan for submittal, inclusive of prime directive (paint rehabilitation). Report submittal offered proactive attention to steel members and joint rehabilitation necessary prior to paint rehabilitation.
(ongoing)	**Bridge Inspections –** Performs routine, special, and interim inspections throughout the state of Louisiana for various Parishes, municipalities, and private owners. Bridges inspected on a regular basis are simple structures such as slab spans, steel and concrete girder bridges, as well as more complicated bridges such as the RR bridge over the Mississippi River in Vicksburg.

Firm employed by	**Huval & Associates, Inc.**				
Name	**Andrew Juneau, P.E. , C.B.I.**		Years of experience with this firm/employer	8	
Title	Project Engineer/Bridge Inspector		Years of experience with other firm(s)/employer(s)	0	
Degree(s) / Years / Specialization			08/08-05/11 Bachelor of Science Civil Engineering 08/11-05/13 Masters of Structural Engineering		
Active registration number / state / expiration date			41397/LA/09/30/23		
Year registered	2017	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			**Bridge Inspections**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Juneau joined Huval and Associates part-time following his graduation from the University of Louisiana – Lafayette in 2011, and began full-time work after receiving his Master's degree in 2013. In his time with HUVAL, he has primarily been involved with geotechnical and structural design of foundation structures, cofferdams and temporary retaining structures. His area of expertise is in sheet pile cofferdam and retaining structure designs, which includes cantilever and anchored sheet pile design, waler and strut design, and tie back support design. Mr. Juneau recently passed the NHI Bridge Inspector course and is now a C.B.I.	
(01/17-Present)	**St. Martin Parish Bridge Inspection** - From 2017 to present, Mr. Juneau has been involved in the Inspection and Rating of Bridges for the Parish of St. Martin. This work also included the design of Bridge Repair Projects, in particular the repair of Timber Piling on Precast Bridges. Bridges included one Pontoon Bridge, one Swing Span Bridge and numerous Timber and Precast Concrete Bridges.
(01/17-Present)	**St. Landry Parish Bridge Inspection** - From 2017 to present, Mr. Juneau has been involved in the Inspection and Rating of Bridges for the Parish of St. Landry. This work also included the design of Bridge Repair Projects, in particular the repair of Timber Piling on Precast Bridges. Bridges included several Steel Railcar, Timber and Precast Concrete Bridges, as well as precast and cast in place box culverts.
(01/13 – 12/15)	**Tappan Zee Hudson River Crossing Westchester County New York, NY Thruway Authority** - Provided design calculations & plans for various items used during bridge construction including: pier seal slab design, seal slab lifting, seal slab lowering assembly, secondary slab design, formwork, crane ramps and trestles, and various pile templates.
(02/14 –08/18)	**US 90 Design Build Construction Services – Lafayette, LA** - Provided cantilever & anchored sheet pile design for 8 footings along with railroad, roadway and other surcharge analyses for loadings adjacent to cofferdam. Mr. Juneau also provided soil grading and soil boring log analysis.
(04/15– 11/17)	**I-40 Arkansas Bridges (2 Bridges) – St. Francis County, AR** - Worked on construction phasing analysis team. Provided cofferdam analysis and design including soil boring log analysis, sheet pile design and wale/strut design. Mr. Juneau also assisted with seal slab design, footing pile design and analysis as well as crane trestle pile design and analysis.
(10/19-07/20)	**SR 63 over Escatawpa River Girder and Weld Repairs – Pascagoula, MS –**Inspection Engineer of the in-depth steel repair inspection. Responsible for coordination, inspections, reporting, bridge rehab design for the $3M construction contract.
Firm employed by	**Huval & Associates, Inc.**

Name	**David S. Huval Jr., P.E.**			Years of experience with this firm/employer	35
Title	Supervisor Engineer			Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization			08/81-05/85 Bachelor of Science, Civil Engineering		
Active registration number / state / expiration date			24187/LA/09/30/2023		
Year registered	1991	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			**Inspection and Traffic Control Support**		

Experience dates (mm/yy–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 S. Huval, Jr. brings thirty-three (33) years' experience in Bridge Design, Bridge Inspection, Construction Engineering, and Construction Management to this Project. He is experienced with timber, precast, prestressed girders, structural steel plate girders, slab spans, continuous plate girders, vertical lifts and bascule span bridges. He has experience coordinating with LADOTD, US Coast Guard and the Corps of Engineers as required on the above bridge types of bridge projects. He was project manager for numerous Bridge Inspection and Rehabilitation projects performed by Huval & Associates and was instrumental in project setup, QA/QC development and implementation.
(01/16-12/17)	**Seabrook Bridge Bascule Repairs, Port of N.O.** – Project Manager and Chief Estimator for this rehab project. On a stringent time schedule this project required temporary jack struts for the replace of floor beams on the bascule span bridge and other miscellaneous rehab items.
(04/14 – 11/16)	**Westbound US 84 Mississippi River Bridge, Adams County, MS–** Project Manager and Chief Estimator for this MDOT bridge rehabilitation project to perform installation of temporary bypass systems, pin and link removal and installation, line boring of existing truss chords, and installation of temporary crossover roads in Natchez, MS.
(07/12 – 10/14)	**Houma Navigation Canal Bridge Rehabilitation, LA 661, Terrebonne Parish, LA** – Project Manager and Chief Estimator for this LADOTD bridge rehab project to perform bridge modifications including structural steel modifications, a new operator's house, hydraulic units, electrical power, and a new fender wall system.
(02/11– ongoing)	**Danziger Bridge Re-decking & Rehabilitation, Orleans Parish, LA-** Project Manager for repairs including replacing lift span cables, structural repairs, replacing bridge machinery, deck resurfacing, and repainting. balance the spans.
(03/13-10/13)	**Real Time River Current System, Multiple Locations, MS**– Project Manager and Chief Estimator for these two MDOT projects. CEC (as Subcontractor) was responsible for constructing permanent access and service platforms for the Mississippi River bridges at Natchez, Vicksburg, Helena, and Greenville.
(04/11-07/13)	**Lapalco Boulevard Bridge Repairs, Jefferson Parish, LA (2011 – 2013) –** Project Oversight and Chief Estimator for this Jefferson Parish Government Project to perform repairs to this bascule span bridge. Types of repairs include structural steel, concrete, electrical, mechanical, painting, operator's house improvements, roadway, and earthwork. CEC's pin repairs and use of work access platforms on this project are particularly relevant to the Advertised Project.
(02/09 – 11/11)	I-**10 Mississippi River Bridge at Baton Rouge, East & West Baton Rouge Parish, LA–** Project Manager and Chief Estimator for this LADOTD bridge project to perform repairs to accommodate for shortening of main span due to rotation of bridge pier. Repairs include false chord pin repairs at the top and bottom chord, retrofitting false chord joints and

	associated expansion dams, and fracture critical member repairs. CEC used work platforms and a bridge jacking scheme that allowed traffic to flow across the bridge with minimal interruption while the bridge was being moved four inches westward.
(04/08 – 10/10)	**I-20 Mississippi River Bridge at Vicksburg, Madison Parish, LA –** Project Manager and Chief Estimator for this LADOTD project to perform modifications to accommodate 24" of pier movement. Repairs include modifications of hangers as well as modifications to struts, stringers, false chords, floor beams, and expansion dams. The expansion bearings of Piers E2 & E3 were also replaced. Project was completed using bridge jacking, as well as scaffolding and work platforms.
(03/08-08/09)	**Crescent City Connection Expansion Bearing Repairs, Orleans Parish–** Project Manager and Chief Estimator for this LADOTD project to adjust alignment of deck truss expansion joints with the use of bride jacking methods.
(04/05-07/06)	**LA 35 Over I-10 Emergency Bridge Repair, Acadia Parish, LA (2005 – 2006) –** Responsible for leading the design and construction of the girder span replacement. This project included the design of new spans that were constructed on site and moved into position during night operations. Both spans were replaced over one night.
(09/05-12/05)	**LA 1 Caminada Bay Bridge Repairs, Jefferson Parish, LA –** Responsible for the design and construction of the bridge repairs required due to Hurricane Katrina damage.
(05/00-10/03)	**Sunshine Bridge Over the Mississippi River, St. James Parish, LA –** Construction Manager for deck removal and erection. The existing deck was removed, the floor beams and floor beam to truss connections were reinforced, and a new deck was installed. This project was accomplished with scaffolding and access platforms on the bridge underside.
(02/98-08/98)	**US-11 Lake Pontchartrain and LA 1 Caminada Bay Bridge for LADOTD, Orleans, St. Tammany, and Jefferson Parishes, LA –** Inspection of two major bridges in LADOTD District 02 which uncovered major areas reinforcing steel corrosion, concrete spalling, and bearing corrosion.

16. **Staff Experience:**

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

Firm employed by KPFF Consulting Engineers					
Name	Scott Wyatt			Years of relevant experience with this employer	11
Title	Associate			Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization			BS/93/CE, Masters of Structural Engineering/06, MBA/02		
Active registration number / state / expiration date			23980/NC/12/31/22		
Year registered	1998	Discipline	PE		
Contract role(s) / brief description of responsibilities			Lead Inspector		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
6/06 - Present	• Inspection/Evaluation/Repair/Rehabilitation of Long-span Bridges • Tension Measurement in Arch Hanger Cables of I-490 Bridge over Genessee River, Rochester, NY – 2006 • Luling Bridge, free length inspection, repairs cable replacement, Luling LA, 2007 • Cable Inspections and Force Measurements for I-65 Arch and White River Stay Cable, Columbus IN - 2008 • South 10th Street Suspension Bridge Rehabilitation Study, Including hanger Force Measurements and Suspension Cable Anchorage Condition Assessment using Force Measurement Technology, Pittsburgh PA - 2009 • I-39 Abe Lincoln Arch Hanger Force Measurements, Peru IL – 2009, 2013, Insp. 2016 • I-94 and US 24 tied arch span hanger force estimation, Detroit, MI - 2007 • I-255 Jefferson Barracks Tied Arch, Instrumentation and analysis of wire fractures; St. Louis MO - 2011 • IPFW Pedestrian Stay Cable Bridge Ft. Wayne IN - 2009 and 2011 • Cannelton Bridge Hanger force measurements, Cannelton, IN - 2011 • Sherman-Minton Bridge Hanger force measurements and length calculations; Louisville, KY -2011 • Bayonne Bridge Service life analysis of abutments and post-tensioned repair tendon evaluation; Bayonne, NJ - 2012 • Milwaukee Sixth St. Viaduct 10 year in-depth inspection, Milwaukee WI - 2012 • Natcher Bridge Ultrasonic evaluation of stay cable strands within the anchorages; Owensboro, KY – 2012 • Sitka Harbor, Force measurements, anchorage inspection, free-length inspection, Sitka AK - 2015 • Captain William Moore Force measurements, anchorage inspection, free-length inspection, Skagway AK - 2015 • La Plata Bridge, Ultrasonic evaluation of stay cable strands within the anchorages and force measurements Naranjito PR- 2015

	• Broadway Hanger force measurements, pier evaluation Kansas City MO - 2016 • Gateway 2016 • US 82/Mississippi River, Ultrasonic evaluation of stay cable strands within the anchorages and force measurements Greenvile MS - 2016 • C&D Canal, force measurement - 2019 • Varina Enon Cable free-length inspection and force measurements, New Hope VA– 2007, 2012, 2017, 2021 • K Bridge, Force measurements, anchorage inspection, Brooklyn NY – 2022 Major River Bridge Inspections: Old McClugage Bridge Peoria, IL - 2017 McNaughton Bridge, Pekin Il - 2017 Shade Lohmann Bridges, Peoria, IL - 2017 Meredosia Bridge, Meredosia, IL - 2016 Abe Lincoln Bridge, LaSalle, IL - 2016 I-80/Des Plaines River Bridges, Joliet, IL - 2016 Cedar St. Bridge, Peoria, IL - 2016 Joe Page Bridge, Hardin, IL - 2015 Beardstown Bridge, Beardstown, IL - 2015 Peru Bridge, Peru IL - 2015 Quincy Memorial Bridge, Quincy IL - 2015 Murray Baker Bridge, Peoria, IL - 2014 Gateway Bridge, Clinton, IA - 2014 Centennial Bridge, Rock Island, IL - 2014
7/02 – 5/06	Designed repairs and rehabilitation of bridges, buildings, waste water facilities, and other structures
1/94 – 5/00	• Designed several dozen highway bridges throughout North Carolina including prestressed girder, steel plate girder, rolled beam, deck slab, and cored slab superstructures with pile footing, spread footing, drilled pier and steel pile bent substructures in accordance with AASHTO specifications. Features included grade separations, stream crossings, railroad crossings, curved alignments, and heavy skews. • Design reinforced concrete structures including multi-barrel box culverts, retaining walls, and footings. • Projects included widenings, replacements, and staged construction • Shop drawing review of contractor submittals for seismic isolation bearings, temporary bridges, formwork, prefabricated overhead signs, overhang falsework, signal mast arm designs, braced excavation, sheet piling calculations, detensioning sequences, pot bearings, post-tensioned bent cap, and MSE walls

Firm employed by KPFF Consulting Engineers					
Name	Chris Ligozio		Years of relevant experience with this employer	10	
Title	Associate		Years of relevant experience with other employer(s)	16	
Degree(s) / Years / Specialization			BS, 1991, Civil Engineering / MS, 1993, Civil Engineering		
Active registration number / state / expiration date			PE, NY 075792, 2-28-2025 / SE, IL 081005801, 11/30/2022 / PE, AK AELT14396, 12/31/2023		
Year registered	1998	Discipline	PE		
Contract role(s) / brief description of responsibilities			Lead Inspector		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/21 – present	Inspection and testing of Stay Cables, Kosciusko Bridge, New York, NY
08/16 – 09/20	Inspection and testing of main suspension and hanger cables, Gateway Bridge, Fulton, IL
05/16 – 12/20	QA Inspection for Cable Erection, Kosciusko Bridge, New York, NY
02/16 – 08/20	QA Inspection for Cable Erection, Goethals Bridge, Elizabeth, NJ
10/18 – 07-19	Testing of Stay Cables, C and D Canal Bridge, New Castle County, Delaware
05/16 – 10/16	Inspection and testing of Stay Cables, Mississippi River Bridge, Greenville, MS
06/15 – 03/16	Inspection and testing of Stay Cables, LaPlata Bridge, Naranjito, PR
08/14 – 09/15	Inspection and testing of Stay Cables, Sitka Harbor Bridge, Sitka. AK
07/12 – 02/13	Inspection of testing of Stay Cables, Sixth St Bridge, Milwaukee, WI
06/12 – 11/12	Testing of Stay Cables, William Natcher Bridge, Owensboro, KY
04/06 – 11/08	Inspection and testing of Stay cables / Design of replacement stay cables, Hale Boggs Bridge, Luling, LA

Firm employed by KPFF Consulting Engineers					
Name	Mark Powlison		Years of relevant experience with this employer	9	
Title	NDT Specialist		Years of relevant experience with other employer(s)	17	
Degree(s) / Years / Specialization			AS, Metals Technology		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Lead Inspector		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Mark has extensive experience in the materials investigation and testing field. His career began in non-destructive testing and gradually grew to special inspections, from which he has refined his skills over the last 26 years. During this time, Mark has managed special inspection services for many healthcare, public and high-profile facilities.
01/94- present	Insepcted/tested/evaluted: Bureau of Overseas Buildings Operations (OBO), U.S. Embassy Structural Engineering Investigation & Repair Recommendations, Vientiane, Laos OBO, FY19 Capital Project Selected Improvements, Vienna, Austria OBO, New Embassy Compound, Asuncion, Paraguay Chevron Business and Real Estate Services, Seismic and Structural Building Assessments, Worldwide Port of Portland, PDXNext, Parking Addition & Consolidated Rental Car Facility, Portland, OR Port of Vancouver, Terminal 2 Berth 7 Bulk Facilities Assessment, Vancouver, WA Portland General Electric, Integrated Operations Center, Tualatin, OR 250 Taylor Office Building (NW Natural Office), Portland, OR Clackamas County, Holly Lane Bridge Inspection and Load Rating Assessment, Oregon City, OR City of Gladstone, Gladstone Police Department Building Seismic Rehabilitation, Gladstone, OR US Department of Veterans Affairs, Portland VA Medical Center Seismic Upgrade and Addition, Portland, OR *(in design)* US General Services Administration, William Kenzo Nakamura US Courthouse Exterior Facade Evaluation Testing and Remediation, Seattle, WA State of Oregon, Oregon Supreme Court Building Facade Restoration, Salem, OR Salem Health, Salem Hospital Parking Garage Addition and Seismic Upgrade, Salem, OR *(in construction)* Intel Corporation, Ronler Acres Fabrication and Office Building, Hillsboro, OR Unico Properties LLC, The Weatherly Building Seismic Retrofit, Portland, OR *(in design)* Urban Renaissance Group, 1320 Broadway Building Renovation Special Inspections, Portland, OR Towne Storage Property, LLC, Towne Storage Building Adaptive Reuse, Portland, OR

SECTION 17 - Firm Experience

- Volkert, Inc.
- Collins Engineering, Inc.
- Huval & Associates, Inc
- KPFF Consulting Engineers

17. **Firm Experience:**

Firm name	VOLKERT		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Nationwide Bridge Inspection Services		Firm responsibility (prime or sub?)	Prime	
Project number	0509301.100	Owner's name	Eastern Federal Lands Highway Division (EFLHD)/FHWA		
Project location	Nationwide		Owner's Project Manager	Marcus Miller, PE	
Owner's address, phone, email	21400 Ridgetop Circle Sterling, VA, 703-404-6252, Marcus.Miller@dot.gov				
Services commenced by this firm (mm/yy)	07/05	Total consultant contract cost ($1,000's)		$4M	
Services completed by this firm (mm/yy)	03/22 est.	Cost of consultant services provided by this firm ($1,000's)		N/A	

Volkert has been selected for three consecutive cycles, beginning in 2005, by the EFLHD to provide NBIS and element level inspections for structures owned and operated by the National Park Service (NPS) and other federal agencies such as the United States Forest Services (USFS), and various Air Force Bases. These facilities include national parks, tunnels, battlefields, monuments, historic sites, parkways, and other federal facilities. This is an IDIQ contract assigned by individual task orders to identify structural or functional deficiencies and make recommendations and cost estimates for repairs. For each task order, Volkert is responsible for providing routine, interim, or initial inspections of structures including culverts, tunnels, retaining walls, and bridges comprised of concrete, masonry, timber, and steel – including the fracture critical and fatigue prone details.

Under these contracts, Volkert has performed nearly 5,000 bridge inspections and over 900 load ratings in 45 states and Washington, DC including the tunnels at the Cumberland Gap in Tennessee and the Baker Barry Tunnel in California.

These inspections have required use of specialized equipment such as UBIVs, man-lifts, tracked man-lifts, dive gear/equipment and boats for access and safety. For projects requiring UBIVs or man-lifts, traffic control/ management was performed to keep traffic flowing freely during inspections. After field inspections are completed, Volkert prepares bridge inspection reports with all data related to the inspection, and recommends, if necessary, repairs, rehabilitation, or if future inspections are required, then submits them to the FHWA in the EFLHD's inspection software format.

Team Members: Aaron Immel, Matt Burnett, Robert Scheeler, Britt Bumpers, Stephen Dossett, Paul Swann, Todd Powell, Sandy Sumner, Gloria Nguyen

17. **Firm Experience:**

Firm name	VOLKERT		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Structural Engineering/Inspection Services		Firm responsibility (prime or sub?)	Prime	
Project number	0408500.100	Owner's name	Metropolitan Atlanta Rapid Transit Authority (MARTA)		
Project location	Atlanta, GA		Owner's Project Manager	Philippe Thomas	
Owner's address, phone, email	2424 Piedmont Road, NE Atlanta, GA 30324, 404-848-5410, pthomas@itsmarta.com				
Services commenced by this firm (mm/yy)	07/02	Total consultant contract cost ($1,000's)		$360K	
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm ($1,000's)		N/A	

Volkert has been selected as the prime consultant for this task order-based contract, which consists of providing MARTA with Structural Engineering & Inspection Services including 16 miles of heavy rail transit aerial structures, 37 tunnels, and vehicular bridges with various types of site access conditions and 14 aerial stations. Volkert is currently in the second cycle of inspections for MARTA. Contract #1 began in 2004 and was completed in 2005. The third cycle, the current cycle, started in 2012, and is still ongoing.

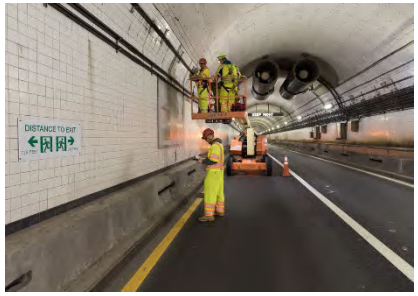
- Detailed inspection of all transit tunnels, retaining walls, U-walls, culverts, and scour assessments of all aerial structures
- Implementation of a QC project and providing QA oversight for MARTA performed structural inspections
- Report preparation of findings and recommendations for repairs as necessary

Team Members: Aaron Immel, Britt Bumpers

17. **Firm Experience:**

Firm name	VOLKERT		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Elizabeth River Crossing Midtown Tunnel Inspections		Firm responsibility (prime or sub?)	Sub	
Project number	1004400.000	Owner's name	Collins Engineering/Virginia Department of Transportation (VDOT)		
Project location	Hampton Roads, VA		Owner's Project Manager	Timothy Weeks (Collins)	
Owner's address, phone, email	225 Seven Farms, Suite 200, Charleston, SC 294492, 757-802-2072				
Services commenced by this firm (mm/yy)	04/18	Total consultant contract cost ($1,000's)		$182K	
Services completed by this firm (mm/yy)	12/18	Cost of consultant services provided by this firm ($1,000's)		N/A	

The 2018 inspections of the Midtown Tunnels involved structural, civil, mechanical, electrical, signage, and protective systems such as fire protective coating of the Eastbound (EB) and Westbound (WB) Tunnels under the Elizabeth River in Virginia. The Elizabeth River Midtown Tunnel Eastbound (ERMTT-EB) facility is an approximate one-mile-long and crosses under the Elizabeth River. It carries Route US 58 in the southeastern portion of Virginia and connects the independent cities of Norfolk and Portsmouth in South Hampton Roads. The Midtown Tunnels are composed of two (2) tunnels under the Elizabeth River. Built by the immersed tube method, the tunnels are constructed of +/-300-foot-long prefabricated tubes placed by lay-barges and joined together in a trench dredged in the bottom of the harbor and backfilled over with earth. The ERMTT-EB Tunnel is constructed of 11 prefabricated tubes. The traffic lanes in the tunnel are 12 feet wide, with a 3-foot-wide barrier (including a sidewalk and curb running the full length of the tunnel) on one side of the roadway and a 1.5-foot-wide barrier (including a ledge and curb) on the other side of the roadway. The ERMTT-EB Tunnel has a posted vertical clearance of 13'- 6". The project includes the preparation of documentation and written reports in accordance with FHWA; National Tunnel Inspection Standards (NTIS); Tunnel Operations, Maintenance, Inspection and Evaluation (TOMIE) Manual; and VDOT criteria and guidelines. Volkert is a subconsultant to Collins Engineers, Inc., on this Midtown Tunnel Inspection program in Hampton Roads, Virginia. As part of these inspections Volkert provided a bridge inspection team, as well as mechanical and electrical inspectors. Volkert will also provide final QC of the Collins prepared report prior to submission. The reports will include observed inspection conditions, and over all condition of the tunnels as well as recommendations for minor/major repairs that may affect structural stability of functionality of the tunnels.



Team Members: Aaron Immel, Matt Burnett, Britt Bumpers, Ray Miller, Ken Powers

17. **Firm Experience:**

Firm name	VOLKERT		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Inspection of Electrical System and Fire and Life System for George Wallace and Bankhead Tunnels		Firm responsibility (prime or sub?)	Prime	
Project number	0544103.000	Owner's name	ALDOT		
Project location	Mobile, AL		Owner's Project Manager	Evan Davis, PE	
Owner's address, phone, email	1701 W I-65 Service Road N, Mobile, AL 36618, 251-471-8247, davisev@dot.state.al.us				
Services commenced by this firm (mm/yy)	07/19	Total consultant contract cost ($1,000's)		$57K	
Services completed by this firm (mm/yy)	08/19	Cost of consultant services provided by this firm ($1,000's)		N/A	

As part of the Areawide bridge inspection services for ALDOT, Volkert performed safety inspections of the Electrical and Fire and Life Systems for the George Wallace and Bankhead Tunnels located in Mobile, Alabama. The George Wallace Tunnel is comprised of a pair of immersed tubes that carry Interstate 10 (I-10) and the Bankhead tunnel is a single immersed tube which carries US Route 98 (Government St) under the Mobile River. An inspection of the electrical, fire detection, emergency communications, tunnel operations and security system, and lane traffic signals was performed in accordance with the Federal Highway Administration (FHWA), National Tunnel Inspection Standards (NTIS), Tunnel Operations, Maintenance, Inspection, and Evaluation (TOMIE) Manual, and Specifications for the National Tunnel Inventory (SNTI).

Volkert conducted all inspection activities which required entrance into the tubes with traffic during night time hours with traffic control provided by ALDOT to reduce the impact on normal traffic patterns. Volkert's inspection teams consisted of two certified tunnel inspectors and an engineering intern as well as an electrical engineer, a mechanical engineer, and a civil engineer all of which are registered professional engineers in the State of Alabama. Our inspection teams worked closely along with ALDOT inspection teams while ALDOT performed the civil inspection of the tunnels. Volkert and ALDOT teams worked together to utilize traffic control on the same nights to speed up inspection time and to work as efficient as possible while having limited impact on the traveling public. Volkert provided inspection findings and repair recommendations in a detailed element level inspection report containing photographs of all deficiencies found.

Team Members: Aaron Immel, Matt Burnet, Paul Swann, Ray Miller, Ken Powers

17. **Firm Experience:**

Firm name	VOLKERT	Past Performance Evaluation Discipline(s)*	Bridge
Project name	LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements	Firm responsibility (prime or sub?)	Prime
Project number	H.004791	Owner's name	LADOTD
Project location	Plaquemine Parish, LA	Owner's Project Manager	Nicholas Oliver
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; 225-379-1133, nicholas.olivier@la.gov		
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost ($1,000's)	$1.5M
Services completed by this firm (mm/yy)	09/24 est.	Cost of consultant services provided by this firm ($1,000's)	$170M est.

The project shall consist of replacing the existing Belle Chasse Tunnel and Judge Perez Lift Bridge at the Algiers Canal. Proposed improvements shall include a four-lane fixed height bridge with pedestrian and bicycle accommodations. The LA 23 Intracoastal Waterway (ICWW) /Judge Perez Bridge (Structure No. 02380620200432, Recall No. 002500, Louisiana Historic Resource Inventory No. 38-00017) is a steel vertical lift bridge built in 1967 to carry LA 23 traffic over the ICWW. It is located in Belle Chasse, Plaquemines Parish (approximately latitude 29.871715, longitude -90.008684). The overall bridge length is approximately 2558 feet, including its pre-stressed concrete stringer/multi-beam and steel girder approaches. The main lift span is approximately 150 feet long by 34 feet wide. The main span with the lift towers is approximately 250 feet long.

Volkert will be responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Plan for the Belle Chasse Bridge & Tunnel Public Private Partnership (P3) Project which provides for the replacement of the Belle Chasse Tunnel and Judge Perez Lift Bridge with a new toll bridge. This includes the development of construction plans, bridge replacement plans, decommissioning of the Tunnel and development of O&M plans. As the OVT, Volkert will provide guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the DBT adheres to their contract, and address other assignments as directed. Volkert will verify that all the P3 submittals (i.e. Safety Plan; FAA permits; US Coast Guard Permits; USACE permits; Quality Manual; etc.) conform with the DBT contract documents (Final RFP) and that all required meetings (i.e. Pre-Work Conference; Design Mobilization meeting; Site Mobilization meeting; Progress Meetings; Design Reviews, etc.) are held and meeting minutes are taken.

Team Members: Jan Evans, Hossein Ghara

17. **Firm Experience:**

Firm name	VOLKERT		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Magnolia Pedestrian Bridge Inspection/Rehabilitation		Firm responsibility (prime or sub?)	Prime	
Project number	0133000.100	Owner's name	New Orleans Regional Planning Commission (NORPC)		
Project location	New Orleans, LA		Owner's Project Manager	Walter Brooks	
Owner's address, phone, email	10 Veterans Memorial Boulevard, New Orleans, LA 70124, 504-483-8512, wbrooks@norpc.org				
Services commenced by this firm (mm/yy)	02/11	Total consultant contract cost ($1,000's)		$10K	
Services completed by this firm (mm/yy)	01/19	Cost of consultant services provided by this firm ($1,000's)		N/A	

This project involved the inspection of the Magnolia Bridge, which crosses Bayou St. John at Harding Drive in New Orleans for the Regional Planning Commission. Volkert provided a bridge inspection and report as outlined by the NBIS, and Louisiana Department of Transportation and Development (DOTD) requirements. Any elements with deficiencies were noted and repair recommendations were documented in a report with anticipated repair costs and submitted to the RPC within 60 days of the inspection. The top side and underwater inspections were performed in accordance with OSHA inspection and diving guidelines including rating the condition of each element (deck, superstructure, and substructure).

Volkert was then contracted by the City of New Orleans to provide design, engineering, and construction management services for the rehabilitation of the existing Magnolia Converted Pedestrian Bridge over Bayou St. John. This includes obtaining permits, preparation of preliminary design plans, final plans, specifications, and bid documents. Volkert also attended public meetings for the project. Plans and specifications for the rehabilitation involves the design of the structural rehabilitation of the deck, superstructure, substructure and both the west and east approaches to the bridge. As this structure is a pedestrian bridge, the design of these approaches includes the design of ADA ramps and accessibility.

Team Members: Jan Evans, Matt Burnett, Aaron Immel

17. **Firm Experience:**

Firm name	VOLKERT	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Emergency Assessment/Temporary Repairs of I-10 Twin Span Bridge over Lake Pontchartrain	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	LADOTD
Project location	Slidell, Louisiana	Owner's Project Manager	Gill Gautreau, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1551, Gil.gautreau@la.gov		
Services commenced by this firm (mm/yy)	09/05	Total consultant contract cost ($1,000's)	$3.5M
Services completed by this firm (mm/yy)	08/09	Cost of consultant services provided by this firm ($1,000's)	N/A

After the Lake Pontchartrain Bridge was damaged during Hurricane Katrina, Volkert was contracted to perform damage assessment inspections in order to enable the Louisiana DOTD to provide suitable bid documents for repairs. Both the eastbound and westbound bridges were damaged, with spans in the water, shifted or missing. The eastbound bridge had 38 spans in the water, 170 spans shifted, but no bents missing. The westbound bridge had 26 spans in the water, 303 shifted, and one bent missing. The westbound approach roadway had significant undermining of existing concrete paving and required replacement of the flowable fill. Major issues observed include corroded shear studs, broken barrier rails, and misalignment of spans. Existing navigation lights were damaged and not functional after the storm, so immediate repairs recommended included the installation of solar-powered navigation lights to insure maritime traffic safety. Elevated sections of the bridges were found to be in good condition.

Volkert was responsible for performing National Bridge Inspection Standards (NBIS) bridge inspections and assisting with the completion of the final report on recommended repairs. Monthly under and above-water inspections of the bridge structure will continue until the bridge replacement is complete. Volkert continued to provide frequent under and above-water inspections of the bridge structure as well as inspection of the Acrow panels under an ongoing contract, until the new bridges were in place in 2011.

Team Members: Aaron Immel, Paul Swann, Todd Powell

17. **Firm Experience:**

Firm name	VOLKERT		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	As Needed Structural Inspections		Firm responsibility (prime or sub?)	Prime	
Project number	1034101.000	Owner's name	Port of New Orleans (PONO)		
Project location	New Orleans, LA		Owner's Project Manager	Anthony Evett, PE	
Owner's address, phone, email	990 Port of New Orleans PL, New Orleans, LA 70130, 504-528-3288, anthony.evett@portnola.com				
Services commenced by this firm (mm/yy)	03/18	Total consultant contract cost ($1,000's)		$500K	
Services completed by this firm (mm/yy)	01/21	Cost of consultant services provided by this firm ($1,000's)		N/A	

In 2019, Volkert was chosen to provide as needed routine and underwater structural inspection and load rating services for structures at the PONO on a task order basis. Structural inspection reports were also provided after each inspection or load rating safety evaluation. This include non-moveable structures, wharves composed of steel, concrete or timber piles that support operational loads for railway, container cranes, breakbulk and container handling as well as truck and equipment loading conditions. Load rating services were also provided, as directed. The following tasks have been completed:

- **Structural Inspection and Load Rating of the Elaine Street Wharf Approach Ramp -** This consisted of baseline safety inspections and load rating analysis for the Elain St. Wharf approach ramp from the abutment to the rail stop. This structure included deck elements, foundation piles, abutments, railroad ties.
- **Structural Inspection of the Harmony Street Wharf -** This included performing a structural inspection of the railroad portion of the Harmony Street Wharf. This inspection was to document any major damage or deteriorated areas and provide comparison with previously completed inspections.
- **Structural Inspection of the Seventh Street Wharf -** This included performing a structural inspection of the railroad portion of the Seventh Street Wharf. This inspection was to document any major damage or deteriorated areas and provide comparison with previously completed inspections.

All inspections were performed in accordance with AREMA Bridge Inspection Requirements as well as with the Board's Bridge Safety Management Program and the Federal Railroad Administration's regulations.

Team Members: Jan Evans, Hossein Ghara

17. **Firm Experience:**

Firm name	VOLKERT	Past Performance Evaluation Discipline(s)*	Bridge
Project name	IDIQ Contract for Tunnel Inspections	Firm responsibility (prime or sub?)	Sub
Project number	515800.30	Owner's name	Mott MacDonald/LA DOTD
Project location	Statewide	Owner's Project Manager	Elizabeth "Liz" Guiza, PE
Owner's address, phone, email	650 Poydras St # 2550, New Orleans, LA 70130; 504-799-0438; Elizabeth.guiza@mottmac.com		
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost ($1,000's)	$45K
Services completed by this firm (mm/yy)	03/22	Cost of consultant services provided by this firm ($1,000's)	N/A

This project consists of conducting in-depth tunnel inspections statewide and development of inspection reports and rehabilitation plans, as necessary. The inspections included the identification of anomalies or deficiencies at the tunnels that required immediate attention via visual and hands-on inspections of all structural components, non-destructive testing, visual inspections of mechanical and electrical components (ventilation/pumps etc.), and visual inspections of maintenance and preservation efforts. The team also developed tunnel inspection reports that highlighted necessary repairs and any replacements that need to be made at the sites. The report included condition states, element notes, pictures, and sketches of any noted deficiencies.

Volkert is a subconsultant to Mott MacDonald providing inspection support services at all three tunnels. To date, Volkert has provided structural inspection assistance to Mott MacDonald at the Houma, Harvey, and Belle Chasse tunnels in southeastern Louisiana.

Team Members: Jan Evans, Britt Bumpers, Robbie Chambless, Paul Swann

17. **Firm Experience:**

Firm name	VOLKERT		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Complex Bridge Inspections throughout Mississippi		Firm responsibility (prime or sub?)	Prime	
Project number	1053305.000	Owner's name	Office of State Aid Road Construction (OSARC)		
Project location	Daphne, AL		Owner's Project Manager	Harry Lee James, PE	
Owner's address, phone, email	601-359-7150				
Services commenced by this firm (mm/yy)	08/16	Total consultant contract cost ($1,000's)		$14.6M	
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm ($1,000's)			

Volkert recently began working on our fourth cycle of work for the Office of State Aid Road Construction (OSARC), providing complex bridge inspections on selected bridges located throughout the state of Mississippi. The project consists of National Bridge Inspection Standards (NBIS) inspections, scour evaluations, and load ratings of these selected bridge sites. The bridges are owned and maintained by the various counties, cities, and towns throughout the state. These bridges include steel bridges with fracture critical members, specifically continuous plate girders, steel girders, railroad flat cars, and movable bridges. These bridges also include approach spans made of timber, precast concrete, or prestressed concrete beam spans. In addition to the fixed bridges under OSARC's responsibility, they are responsible for four movable bridges: one lift bridge, one swing bridge, and two bascule bridges. Volkert inspector teamed with FIT Engineering to perform the rope access inspection of the towers at the lift bridge. Volkert also inspected the mechanical and electrical systems for these movable bridges. At the bascules and swing bridge, Volkert engineers performed detailed inspections of the mechanical and hydraulic systems that power the movement of the spans to allow maritime traffic to pass under the bridges. For each bridge inspected, Volkert develops a bridge inspection plan which outlines access method and equipment required, traffic control requirements, railroad permit requirements including contact information and permit acquisition procedures, and inspection time and personnel requirements. These plans also identify the fracture critical members and the frequency of inspection. The plans are approved by OSARC and FHWA prior to commencing the inspections. In addition to performing in-depth inspections, Volkert also reviews load ratings using AASHTOW are (Bridge Rating). At the conclusion of each inspection, a detailed written inspection report is prepared in InspectTech/AssetWise detailing damage/deterioration assessments, NBI condition/appraisal ratings, scour evaluation, photographic evidence of the findings and recommendations for repairs. A copy of the report is also submitted to the individual county, city, or town who owns the bridge.

Team Members: Aaron Immel, Britt Bumpers, Robbie Chambless, Paul Swann, Jeffery Powell, Corey Boss, Robert Scheeler, Stephen Dossett, Jacob Parker, Luke Chambless, Will Valentine, Gloria Nguyen

17. **Firm Experience:** Project 1

Firm name	Collins Engineers, Inc.		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Montana DOT (MDT) Bridge Climbing Inspections Term Contracts		Firm responsibility (prime or sub?)	Prime	
Project number	9885.00	Owner's name	Montana Department of Transportation		
Project location	Statewide, MT		Owner's Project Manager	Henry Henning	
Owner's address, phone, email	200 Smelter Avenue NE, Great Falls, MT 59403; 406-781-6929, hhenning@mt.gov				
Services commenced by this firm	2008	Total consultant contract cost ($1,000's)	1,400		
Services completed by this firm	2021	Cost of consultant services provided by this firm ($1,000's)	1,400		

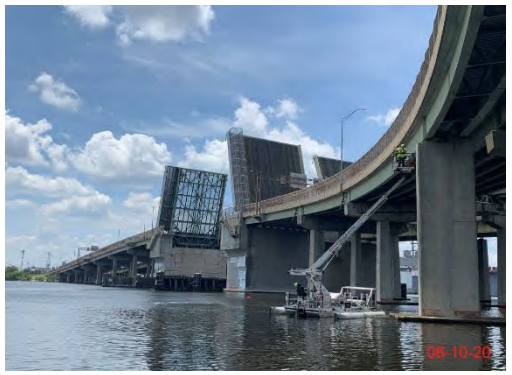
Collins performed 132 rope access climbing inspections for many of Montana's largest bridges from 2008 through the 2021 inspection seasons, including in-depth, hands-on, fracture-critical inspections of all bridge elements. Collins completed various bridge types, including through trusses, deck trusses, a Pratt half-deck through truss, and one suspension bridge. Inspectors followed the Society of Professional Rope Access Technicians (SPRAT) safe practices guidelines to perform the rope access techniques necessary to inspect the bridges for this project. Engineer inspectors performed NBI and element level inspections for each bridge inspected. Collins delivered comprehensive inspection reports for each structure, including an evaluation of the overall condition of the bridge, photographs, sketches, bearing and gusset measurements, and diagrams to substantiate the findings, as well as recommendations for short and long-term repairs and maintenance. Submittals included updated fracture critical inspection procedures, attribute data, bridge ratings, and element level inspection ratings, all entered directly into SMS.

COLLINS MEMBERS INVOLVED: Drew Garceau, Michael Spencer, Jon Wittrock, Chris Thrift, Beau Kamarath

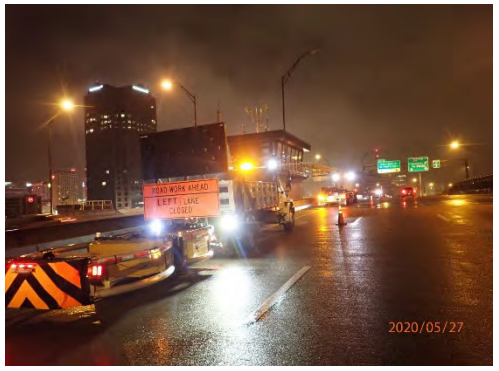
17. **Firm Experience:** Project 2

Firm name	Collins Engineers, Inc.		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	VDOT Hampton Roads Berkley Bridge Inspections			Firm responsibility (prime or sub?)	Sub
Project number	48738	Owner's name	Virginia Department of Transportation (VDOT)		
Project location	Chesapeake, VA		Owner's Project Manager	Christopher A. Roberts, PE	
Owner's address, phone, email	7511 Burbage Drive, Suffolk, VA 23435; 757-925-2243; Christopher.Roberts@VDOT.Virginia.gov				
Services commenced by this firm	2020		Total consultant contract cost ($1,000's)	N/A	
Services completed by this firm	2022		Cost of consultant services provided by this firm ($1,000's)	750	

Under this contract, Collins performed the inspection of each VDOT Bridge 122-1804, Interstate 264 WB over the Eastern Branch of Elizabeth River (Berkley Bridge) and VDOT Bridge 122-2722, Interstate 264 EB over the Eastern Branch of Elizabeth River (Berkley Bridge) for the Hampton Roads District of VDOT. Bridge 122-1804 is a four-lane bridge consisting of one, 260' long steel double leaf bascule span with nineteen steel multi-girder approach spans and is 2,128' long total and Bridge 122-2722 is a four-lane bridge consisting of one, 260' long steel double leaf bascule span with three steel multi-girder approach spans and six prestressed concrete multi-beam approach spans and is 1200' long total. The inspections performed include the routine inspection of each bridge in June 2020. Collins is currently under contract to perform the routine inspection of each structure in June of 2022.



An Aspen A-75 (UBIV) with traffic control (nighttime right lane closures) was utilized for the hands-on inspection of each of the approach spans over the roadway in excess of 60'. SPRAT compliant rope access was utilized to access the interior portion of Bascule Piers 8 and 9 and each movable leaf of Spans 8 and 9. A bucket truck with single lane flagging operation and HRT Light Rail Coordination on City Hall Ave. was required for the inspection of Span 1, while nighttime bucket truck inspections within the courthouse parking lot below the structure was required after normal business hours for spans lower than 60' in height. Harcon's pontoon bucket boat was used to inspect the approach spans over the water to limit the lane closures in this highly traveled section of interstate which connects downtown Norfolk and Downtown Tunnels to Portsmouth, Va.



COLLINS MEMBERS INVOLVED: Chris Thrift, Beau Kamrath

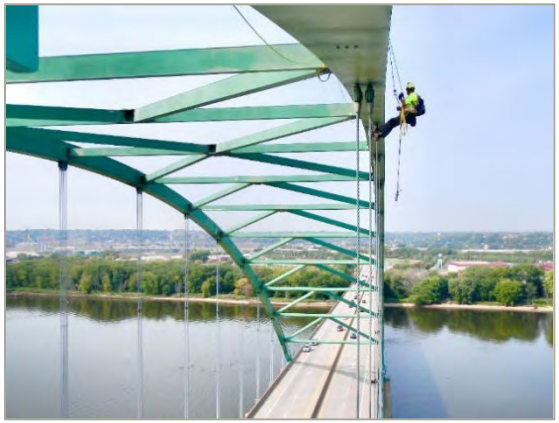
17. **Firm Experience:** Project 3

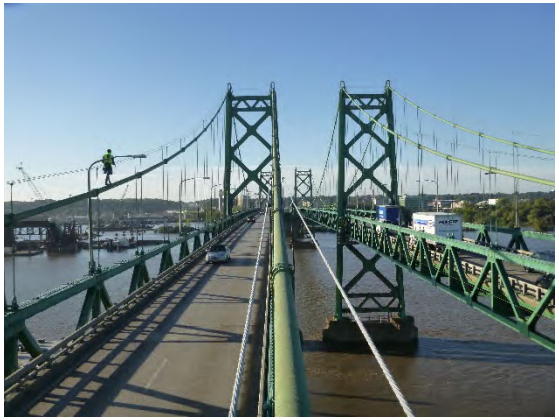
Firm name	Collins Engineers, Inc.		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Iowa Border Bridge Inspections		Firm responsibility (prime or sub?)	Sub	
Project number	12565	Owner's name	Iowa Department of Transportation		
Project location	Statewide, IA		Owner's Project Manager	Michael Todsen	
Owner's address, phone, email	800 Lincoln Way, Ames, IA 50010; 515-233-7726; michael.todsen@dot.iowa.gov				
Services commenced by this firm	2018		Total consultant contract cost ($1,000's)	n/a	
Services completed by this firm	2020		Cost of consultant services provided by this firm ($1,000's)	180	

Collins provided complex bridge inspection services and quality control reviews of bridge inspection reports for Iowa DOT as a subconsultant. Inspections were completed over separate years and included various access techniques including using rope access climbing techniques, underbridge inspection vehicles, manlifts, confined space entry, boats, and temporary lane closures. Inspection reports and photographs were documented electronically on tablets. A detailed quality control review of inspection findings, recommendations, and element level ratings were completed.

- USH-34 cable-stay Bridge (Great River Bridge) over the Mississippi River (Bridge Type: cable-stayed, Length: 2,267 ft long with 400 ft tall towers)
- Iowa Highway 9 truss (Black Hawk Bridge) over the Mississippi River (Bridge Type: through truss, Length: 1,653 ft long)
- USH-77 tied arch over the Missouri River (Bridge Type: tied-arch, Length: 1,502 ft long with a 425 ft main span)
- I-74 EB and I-74 WB Suspension Bridges (Bridge Type: suspension, Length: 5,018-ft long)
- USH-61 tied arch over the Mississippi River (Bridge Type: tied-arch, Length: 2,951 ft long with a main span of 670 ft)

COLLINS MEMBERS INVOLVED: Michael Seal, Drew Garceau, Jon Wittrock





17. **Firm Experience:** Project 4

Firm name	Collins Engineers, Inc.		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Illinois DOT Large River Crossing Bridge Inspections			Firm responsibility (prime or sub?)	Prime
Project number	11399	Owner's name	Illinois DOT		
Project location	Statewide, Illinois		Owner's Project Manager	William A. Beisner	
Owner's address, phone, email	2300 S. Dirksen Parkway, Springfield, IL 62764; 217-785-4537; william.beisner@illinois.gov				
Services commenced by this firm	2019		Total consultant contract cost ($1,000's)	1,600	
Services completed by this firm	2021		Cost of consultant services provided by this firm ($1,000's)	618	

Collins performed the inspection and reporting of 16 major river bridges throughout the state of Illinois on a task-order basis over the past three years. The bridges included many of Illinois DOT's (IDOT) largest and most complex structures including arch, suspension, through truss, deck truss, and deck girder bridges ranging in length from 1,000 ft to 5,000 ft long. The inspections utilized multiple inspection teams coordinating snooper trucks, aerial manlifts, bucket trucks, rope access climbing, confined space entry, and drones to perform the in-depth, fracture critical, and element level inspection of each bridge. Channel surveys were also performed at each bridge.

Collins, as the prime consultant, coordinated the inspection and reporting work amongst several consultants and oversaw all coordination and planning with IDOT. Collins coordinated inspection windows with snooper truck rental companies, railroad flagman, and traffic control companies to ensure all aspects needed to perform the work were in place. The work consisted of a hands-on visual inspection of all primary members of the structures. Deficiencies were measured, documented in the field on the structure, and recorded in a table of deficiencies, including photographs. Ultrasonic Testing (UT) of structural pins was performed on several structures. Final reports were issued to the IDOT Bridge Office complete with bridge rating forms, sketches, photographs, and deficiency tables.

COLLINS MEMBERS INVOLVED: Michael Spencer

17. **Firm Experience:** Project 5

Firm name	Collins Engineers, Inc.		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	High Rise Bridge – Hampton Roads – Varina Enon Bridge (Cable-Stayed)		Firm responsibility (prime or sub?)	Sub	
Project number	48738	Owner's name	Virginia Department of Transportation (VDOT)		
Project location	Chesapeake, VA		Owner's Project Manager	Christopher A. Roberts, PE	
Owner's address, phone, email	7511 Burbage Drive, Suffolk, VA 23435; 757-925-2243; Christopher.Roberts@VDOT.Virginia.gov				
Services commenced by this firm	2020	Total consultant contract cost ($1,000's)	n/a		
Services completed by this firm	2022	Cost of consultant services provided by this firm ($1,000's)	750		

Under this contract, Collins has performed three inspections of VDOT Bridge 131-2527, Interstate 64 over the Southern Branch of Elizabeth River (High Rise Bridge) for the Hampton Roads District of VDOT. This four-lane bridge consists of one, 280' long steel double leaf bascule span with thirty-nine steel multi-girder approach spans and is 4825' long total. The inspections performed include the Routine Inspection in November 2020, the Fracture Critical Inspection in November 2021, and an In-depth Design Level Inspection in January 2022.

Routine Inspection in November 2020, Collins provided a detailed inspection report in addition to BrM element level inventory services to establish and facilitate future repairs. A hands-on inspection of all structural elements was performed by an NBIS-qualified inspection team and led by an NBIS-qualified team leader certified in the inspection of fracture critical members. Non-destructive testing was performed by Collins' in-house, VDOT Materials Testing Division Qualified ASNT-Compliant NDT Level II Technicians to inspect all welds and verify the limits of all cracks and other identified deficiencies. An Aspen A-62 (UBIV) with traffic control (nighttime right lane closures) was utilized for the hands-on inspection of each of the approach spans. SPRAT compliant rope access was utilized to access the interior portion of Bascule Piers 21 and 22 and each movable leaf of Span 22. A bucket truck with single lane flagging operation on Bainbridge Blvd. was required for the inspection of Span 1. Alternating right and left daytime lane closures were utilized on a Sunday morning, between sunrise and 10am, for the in-depth inspection of the deteriorating steel grid deck in Span 22. Collins mobilized a team 11 inspectors for the in-depth inspection of the steel grid deck to meet the limited three-hour window available for the inspections. Access to each bascule pier through the tender's house was provided by VDOT.

Fracture Critical inspection in November 2021, Collins performed the hands-on inspection of fracture critical girders and floor beams in Bascule Span 22. Included in this inspection, Collins performed the hands-on inspection of the stringers and transverse riser beams within Bascule Span 22 due to know deficiencies which require annual inspection. Special attention was given to all the fatigue prone details (category C' and greater) which included: transverse stiffeners welded to girder/floor beam webs, longitudinal stiffeners welded to girder webs, intersecting welds at top of transverse stiffeners of floor beam cantilevers, bracing connection plates welded longitudinally near top of girder webs at floor beams 2–9, tapped holes in girder top flanges, butt welds in girder top flanges, transverse welds to top of girder top flanges, nicks and gouges from vessel scrapes on girders and floor beams in the west leaf, and drain pipe support straps field welded to end of stringer and girder webs. Category D, E, and E' details were hands-on inspected and Category C and C' details were inspected within arms-reach. SPRAT compliant rope access was utilized to access each movable leaf of Span 22. Access to each bascule pier through the tender's house was provided by VDOT.

COLLINS MEMBERS INVOLVED: Chris Thrift, Drew Garceau, Beau Kamrath

17. **Firm Experience:** Project 6

Firm name	Collins Engineers, Inc.		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Ravenel Bridge System Inspection		Firm responsibility (prime or sub?)	Sub	
Project number	02023	Owner's name	Infrastructure Corporation of America		
Project location	Charleston, NC		Owner's Project Manager	John Bergman	
Owner's address, phone, email	62 Brigade Street, Charleston, SC | 843-302-8640 | jbergman@ica-onramp.com				
Services commenced by this firm	2009		Total consultant contract cost ($1,000's)	1,200	
Services completed by this firm	2020		Cost of consultant services provided by this firm ($1,000's)	700	

Collins Engineers, Inc. (Collins) and Infrastructure Corporation of American (ICA) were selected by the South Carolina Department of Transportation (SCDOT) to provide in-service bridge engineering services necessary for the management, inspection, maintenance, warranty protection, and preservation of the Arthur Ravenel Bridge System located in Charleston, South Carolina. Collins is responsible for the biennial routine structure inspections and the required warranty item specific frequency inspections. Inspection techniques include following NBIS, AASHTO CoRE element, and all other applicable laws and procedures. The 18 bridges that compose the Arthur Ravenel Bridge System encompass over 6.1 miles of structures. The bridge types are considered complex ranging from multi-level interchanges, cable-stayed system, prestressed concrete girders, and fracture critical members. Collins is responsible for the inspection, scheduling, equipment rental of under bridge and above ground inspection units, work zone traffic control, special testing, surveying roadway profile and elevation monitoring points, and development of detailed reports for each structure. Collins is utilizing South Carolinas PONTIS National Bridge Management Program as an inventory tool as well as the DOTs own database that compiles inventory as well as inspection data. Some unique aspects to the project are the Ravenel Bridge System is North Americas longest cable stay span, the high-level approach and main spans were accessed using climbing techniques from the in-place tie-off bars attached to the steel girders and traveler system, and the steel box straddle bents were inspected using confined space entry techniques.

COLLINS MEMBERS INVOLVED: Drew Garceau, Chris Thrift, Michael Spencer, Beau Kamrath

17. **Firm Experience:** Project 7

Firm name	Collins Engineers, Inc.		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	St. Croix Crossing Complex Bridge Inspection		Firm responsibility (prime or sub?)	Prime	
Project number	13152.00	Owner's name	Minnesota and Wisconsin Departments of Transportation		
Project location	Stillwater, Minnesota		Owner's Project Manager	Travis McDaniel	
Owner's address, phone, email	4822 Madison Yards Way, Madison, WI 53705; 608-266-5097; travis.mcdaniel@dot.wi.gov				
Services commenced by this firm	2019	Total consultant contract cost ($1,000's)		192	
Services completed by this firm	2021	Cost of consultant services provided by this firm ($1,000's)		110	

The St. Croix Crossing Bridge is the main river crossing that spans Minnesota Trunk Highway (TH) 95, the Union Pacific Railroad (UPRR), wetlands, and the St. Croix River between Oak Park Heights, MN, and St. Joseph, WI. The St. Croix Crossing Bridge totals 5,579 ft in length with four main spans of 600 ft. It consists of eight concrete box girder approach spans and six extradosed main spans. Collins completed inspection of this signature structure in 2019 and 2021.

The scale of the bridge required a large team of inspectors. Multiple access methods were employed including rope access, under bridge inspection vehicles, boats, manlifts, and drones. A significant amount of the inspection effort was geared toward the interior of the concrete boxes where confined space entry methods were used. Planning of the inspection was critical to the success of the project. The bridge was flown with a drone to create a map of the bridge and its immediate surroundings. This map was annotated with items such as span and substructure numbers, access points, safety information, and meeting areas. The map was shared via cloud server to all team members so that it was accessible by mobile device throughout the inspection. The inspection was broken down into bridge components and elements for two person teams. These teams were carefully chosen based on experience and technical expertise. Safety briefings were held every morning and the overall emphasis on safety resulted in no injuries to team members. Careful planning, experience, innovative technology, teamwork, and a focus on safety led to a successful inspection.

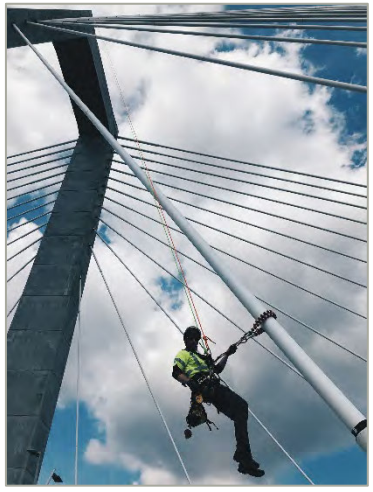
Collins Members Involved: Drew garceau, Jon Wittrock, Barritt Lovelace, Michael Spencer

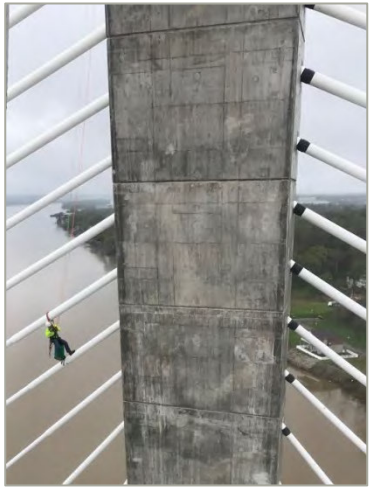
17. **Firm Experience:** Project 8

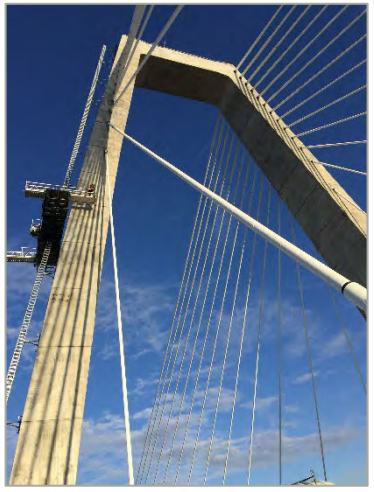
Firm name	Collins Engineers, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	East End Crossing - Lewis & Clarke Cable-Stayed Bridge Inspection	Firm responsibility (prime or sub?)	Prime
Project number	9878.00	Owner's name	WVB – East End Crossing Partners
Project location	Louisville, Kentucky	Owner's Project Manager	Yajaira Morphonios
Owner's address, phone, email	1700 Old Salem Road, Jeffersonville, IN 47130; 812-202-4871; ymorphonios@WVB-Partners.com		
Services commenced by this firm	2016	Total consultant contract cost ($1,000's)	490
Services completed by this firm	2021	Cost of consultant services provided by this firm ($1,000's)	490

Collins provided the initial in-depth inspection, annual routine inspections, and periodic required warranty inspections of the Lewis and Clark Cable-Stayed Bridge in Louisville, KY, totaling six inspection cycles. The Lewis and Clark Bridge opened to the public in 2016 and consists of a 2,500-ft.-long cable-stayed bridge crossing the Ohio River with a main span of 1,200 ft. The inspection included a hands-on inspection of all fracture critical members, including the floor beams, edge girders, and cable anchor boxes. SPRAT rope access climbing inspection techniques were used to perform a hands-on inspection of the concrete towers and all of the cable-stays. Rope lengths of up to 660 ft. were used to slide the entire length of the longest cables. A detailed inspection report was prepared, including photographs, figures, and element level quantities and ratings.

Collins Members Involved: Chris Thrift, Drew Garceau, Michael Spencer, Beau Kamrath







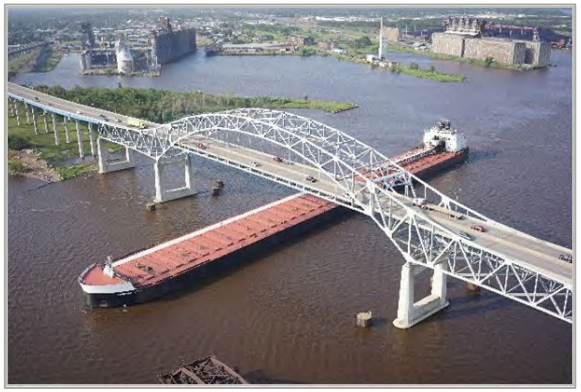
17. **Firm Experience:** Project 9

Firm name	Collins Engineers, Inc.		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Blatnik Bridge		Firm responsibility (prime or sub?)	Prime	
Project number	11910.00	Owner's name	Wisconsin DOT (WisDOT)		
Project location	Superior, Wisconsin		Owner's Project Manager	Travis McDaniel	
Owner's address, phone, email	4822 Madison Yards Way, Madison, WI 53705; 608-266-5097; travis.mcdaniel@dot.wi.gov				
Services commenced by this firm	2019		Total consultant contract cost ($1,000's)	325	
Services completed by this firm	2019		Cost of consultant services provided by this firm ($1,000's)	170	

Project included the complex and fracture critical inspection biennial inspection which also included ultrasonic testing (UT) of 202 bridge pins on the Blatnik Bridge (B-16-0005) in accordance with the NBIS and WisDOT Structure Inspection Manual. The Blatnik bridge is a complex border bridge between Wisconsin and Minnesota and carries I-535 over the Saint Louis Bay of Lake Superior crossing between Superior, WI and Duluth, MN. The bridge consists of 52 spans totaling nearly 8,000 ft in length with a 600 ft main span featuring a steel through truss-arch design.

Extensive coordination was required to perform the inspection while minimizing lane closures and disruptions of traffic. A combination of access techniques was coordinated simultaneously which included the use of four under bridge inspection vehicles and an 85 ft manlift. The inspection team included five inspection teams whom were carefully staged throughout the bridge to ensure all teams could work under the same lane closures. Closures were allowed only during non-peak travel times. All 202 bridge pins were inspected using ultrasonic testing methods. Detailed field inspections, quality control review of inspection findings, recommendations, and element level ratings were completed in both WisDOT's HSIS database and MnDOT's SIMS database

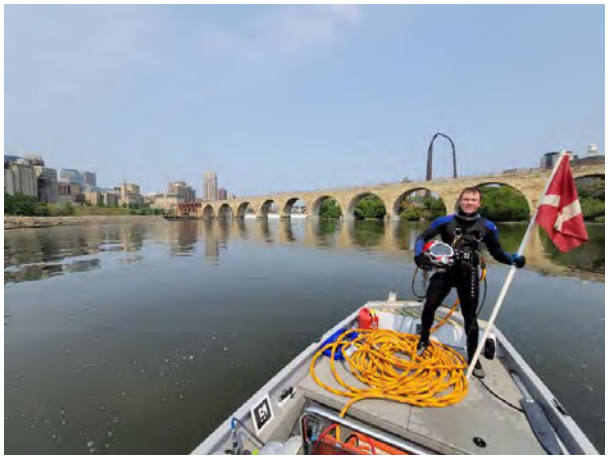
COLLINS MEMBERS INVOLVED: Drew Garceau, Jon Wittrock, Barritt Lovelace



17. **Firm Experience:** Project 10

Firm name	Collins Engineers, Inc.		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	Minnesota DOT (MnDOT) Statewide Underwater Bridge Inspections		Firm responsibility (prime or sub?)	Prime	
Project number	12477	Owner's name	Minnesota Department of Transportation		
Project location	Statewide, MN		Owner's Project Manager	Joel Fishbein	
Owner's address, phone, email	1500 West County Road B2, Roseville, MN 55113; 651-366-4537; Joe.Fishbein@state.mn.us				
Services commenced by this firm	2020	Total consultant contract cost ($1,000's)		1,800	
Services completed by this firm	2021	Cost of consultant services provided by this firm ($1,000's)		1,800	

Under multiple contracts, Collins performed over 2,200 visual and tactile underwater inspections on bridges spanning various waterways throughout Minnesota. The bridges ranged from 20 to 300 feet in length, with depths up to 60 feet, currents up to 3 feet per second, and, at times, very limited visibility. In 2016, Collins performed 570 underwater inspections in one season which coincided with the highest yearly runoff. Collins also prepared a Scour Monitoring Training Program for the Minnesota DOT that included 2 weeks of classroom lecture and activities in conjunction with 2 weeks of on-site field activities. As part of the project, Collins prepared training documents, assisted with equipment selection, directed mounting hardware fabrication, and implemented software setup in an effort to fully train the DOT's Hydraulics Department in state-of-the-art scour monitoring and hydrographic surveying technologies. The project utilized technologies such as mechanical scanning and mobile multi-beam sonar operations. Underwater survey data was collected during field activities and was subsequently processed into 3D models by the MnDOT participants during classroom learning exercises.



Collins Members Involved: Dan Stromberg, Michael Spencer

Firm name	**Huval & Associates, Inc.**	Past Performance Evaluation Discipline(s)*	**Bridge**
Project name	**Terrebonne Inspection, Repair and Ratings**	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Terrebonne Parish Government
Project location	Terrebonne Parish, Louisiana	Owner's Project Manager	David Rome
Owner's address, phone, email	8026 W. Main St. #101 Houma, LA 70360 (985) 868-5050, drome@tpcg.org		
Services commenced by this firm (mm/yy)	01/17	Total consultant contract cost ($1,000's)	$130(annually)
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$130

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Huval & Associates, Inc. (HUVAL) was contracted to perform load ratings, inspections, and bridge documentation for over 58 bridges in the parish in order to bring the parish into full conformance with the NBIS and LADOTD requirements. During this inspection and rating process several bridges required preventative maintenance design, plans, and repair project development. The bridges inspected, load rated, and repaired included steel swing span bridges, steel lift bridges, timber bridges, concrete bridges, steel pipe culverts, cast in place concrete culverts, and a steel bascule bridge.

HUVAL prepared repair plans and maintained oversight over the construction of the repairs for several bridges that required timber cap repair or replacement and/or timber pile splices. Timber pile splices were performed using multiple techniques including steel pipe sleeve with concrete fill as well as aramid fiber wrap splices. Timber caps were repaired, strengthened as necessary, or replaced. Much of the pile repair work was performed while the bridge was still operating with traffic. HUVAL also prepared full rehabilitation plans for a steel bascule span bridge which included rehab to the steel girders, timber caps, timber piles, steel piles, machinery, and other miscellaneous items on the bridge.

Huval & Associates, Inc. is performing **100%** of the work for this project in the State of Louisiana.

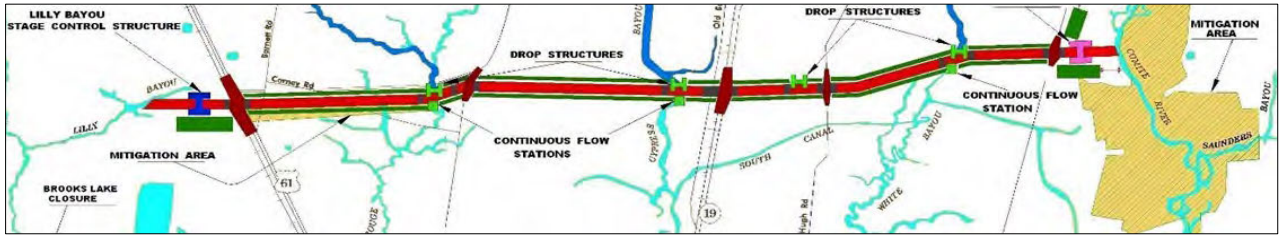
***Team Members to be Utilized on Retainer*:**

David S. Huval, Sr., Project Manager
Colby Guidry, Team Leader, CBI
Justin Peltier, Design and Ratings
Nash Romero, Inspector, CBI
Joseph Smith, Inspector, CBI
Eddie Smith, CBI

Firm name	**Huval & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Bridge**	
Project name	**Comite River Diversion Bridge at LA 19 and LA 19 Railroad Bridge**		Firm responsibility (prime or sub?)	Prime	
Project number	4400017421	Owner's name	LADOTD		
Project location	East Baton Rouge, Louisiana		Owner's Project Manager	Christina Brignac, PE	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804-9245, (225) 379-1395, christina.brignac@la.gov				
Services commenced by this firm (mm/yy)	10/19	Total consultant contract cost ($1,000's)		$1,600	
Services completed by this firm (mm/yy)	On-Going	Cost of consultant services provided by this firm ($1,000's)		$1,300	

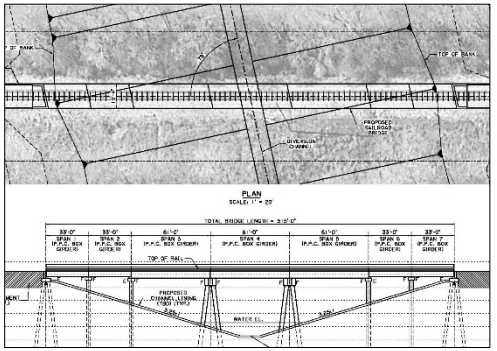
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

HUVAL is leading the design of all bridges for this project including the LA 19 Railroad Bridge.
The Louisiana Highway 19 Bridges Project is in East Baton Rouge Parish, Louisiana at the point where the channel of the future Comite River Diversion Canal (CRDC) will intersect existing LA 19. The site is located just north of Baton Rouge and south of Baker. The project includes both highway and railroad bridges across the Comite River Diversion Channel.
The new channel will pass under the existing at-grade Geaux Geaux Railroad running north-south through the area. The new single-track railroad bridge will be approximately 350' long over the completed channel. Coordination with the railroad is critical in order to maintain rail service during construction. A shoofly track will be designed for maintenance of rail traffic while the new channel and new railroad bridge are constructed.
The highway bridges project scope of work includes preparing plans, specifications and design documentation for a portion of the CRDC, twin parallel bridges approximately 350 feet long, with a finished cross-sectional clear width of 40 feet on LA Hwy 19, and a single bridge approximately 350 feet long, with a finished cross-sectional clear width of 40 feet on Hwy 67. LA Hwy 19 and Hwy 67 traffic will need to be maintained via either a detour road, bypass and/or median crossovers.



***Key Project Members*:**
David S. Huval, Sr., Principal
Thomas M. Gattle, Project Manager / Lead Engineer
Rudy McLellan, Bridge Design Engineer
Justin Peltier, Bridge Design Engineer
Colby Guidry, Design Engineer, QA/QC

Huval & Associates, Inc. performed **100%** of the for this project in Louisiana.



Firm name	**Huval & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Bridge**	
Project name	KCS Railroad Overpass Near Ada			Firm responsibility (prime or sub?)	Prime
Project number	H.003823.5	Owner's name	LADOTD		
Project location	Bienville Parish, Louisiana		Owner's Project Manager	Xuyong Wang, P.E.	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804, (225) 379-134, Xuyong.Wang@la.gov				
Services commenced by this firm (mm/yy)	01/10	Total consultant contract cost ($1,000's)		$454	
Services completed by this firm (mm/yy)	01/12	Cost of consultant services provided by this firm ($1,000's)		$454	

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Huval and Associates, Inc. (HUVAL) prepared the final plans and a construction cost estimate of the KCS Railroad Overpass Near Ada for the LADOTD in accordance with the AASHTO LRFD Bridge Design Specifications, the American Railway Engineering and Maintenance-of-Way Association (AREMA) Manual, and the KCS Guidelines for the Design and Construction of Railroad Overpasses and Underpasses.

HUVAL redesigned the roadway vertical alignment and bridge to meet the vertical clearance of 23.5 ft. for the main span above the railroad tracks per KCS's railroad requirements. Meeting this requirement involved project coordination with the Roadway Section, KCS Railroad, and Roadway Consultant, as well as roadway analysis and design, and revising the final plan sheets of general plan and elevation.

The bridge structure had to be designed with a 26 degree skew over the railroad tracks. Due to the complexity of skewed and curved steel girder bridge, LADOTD requested HUVAL to investigate various temporary lateral bracing and permanent diaphragms. This item involved bridge modeling and analysis and revising final plan sheets of steel framing plan, plate girder elevations, girder design tables and girder deflection tables.

Additionally, HUVAL is providing construction engineering services for this project under Task Order No. H.000126. These construction engineering services include, but are not limited to shop drawing review, erection/stability reviews, RFIs, and other miscellaneous construction support.

HUVAL performed **100%** of the work for this project in the State of Louisiana.

Key Project Members:

David S. Huval, Sr., Principal
Thomas Gattle, Project Manager, Bridge Design
Colby Guidry, Lead Bridge Design
Pat Wilson, Bridge Design
Reid Romero, Bridge Design

Firm name	**Huval & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Bridge**	
Project name	I-10 (LA 415 to Essen Lane on I-10 and I-12)		Firm responsibility (prime or sub?)	Prime	
Project number	H.004100	Owner's name	LADOTD		
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Nick Olivier	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804, (225) 379-1133, nick.olivier@la.gov				
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost ($1,000's)		$345	
Services completed by this firm (mm/yy)	On-going	Cost of consultant services provided by this firm ($1,000's)		$345	

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

HUVAL recently completed its contract with LADOTD to provide Constructability Reviews and other Advisory Services for the estimated $1.1 billion I-10 Widening Project in Baton Rouge. HUVAL was responsible for helping to leading the Engineers, LADOTD, FHWA, and the other Stakeholders concurrent with the Stage 1 (NEPA) process to arrive at the chosen design for the project which cause the least impact to maintenance of traffic within the extremely constricted right-of-way footprint, while also minimizing project construction costs. It also included an extensive evaluation of the design as it relates to the constructability, phasing, schedule, and construction budget requirements.

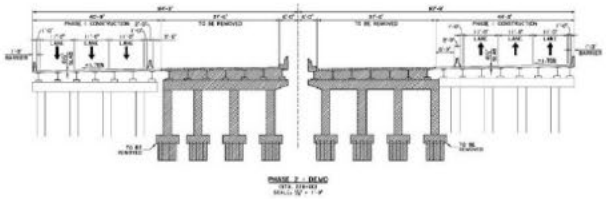
As part of its constructability evaluation, HUVAL reviewed the NEPA Consultant's existing bridge ratings and analysis. This review led to modifications to the ratings and consideration of utilizing the existing structures in certain areas of the project.

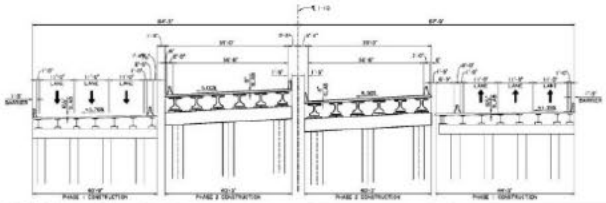
In order to develop a constructability evaluation, HUVAL analyzed and modified the NEPA Consultant's final layout to establish construction phases that would allow 3-lanes of I-10 in each direction to be maintained during construction. Complex construction issues were analyzed by determining potential construction methods and equipment. This in-depth analysis dictated the final geometry of the corridor and extents of right-of-way and taking that would be needed to complete the project. Using the established geometry and construction phasing, HUVAL separated the corridor into separate sections that could be constructed with independent utilities and contracts. Included in the project, HUVAL prepared a draft Project Management Plan and Project Implementation Plan as well as provided integral support to the formal Cost Estimate Review (CER) process.

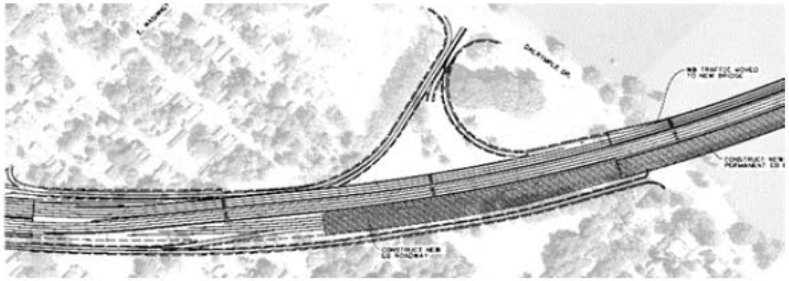
HUVAL performed 100% of the work for this project in Louisiana.

Key Project Members:

David S. Huval, Sr., Principal
Bob Schmidt, Project Manager
Thomas Gattle, Lead Design Engineer (Road)
Colby Guidry, Lead Design Engineer (Bridge)
Reid Romero, Design Engineer
Justin Peltier, Design Engineer







Firm name	**Huval & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Bridge**	
Project name	Bayou Lafourche Bridge		Firm responsibility (prime or sub?)	Prime	
Project number	H.000174.5	Owner's name	LADOTD		
Project location	Richland and Ouachita Parish		Owner's Project Manager	Carl Gaudry, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, 225-379-1075, carl.gaudry@la.gov				
Services commenced by this firm (mm/yy)	07/13	Total consultant contract cost ($1,000's)		$325	
Services completed by this firm (mm/yy)	07/14	Cost of consultant services provided by this firm ($1,000's)		$250	

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Huval & Associates, Inc. (HUVAL) was the Prime Consultant and provided final bridge design plans, design and rating calculations and a construction cost estimate for the replacement of the existing bridge over Bayou Lafourche just east of Monroe, LA on US 80. The bridge consisted of (7) 80'-0" spans for a total length of 560'.

This project was selected as research project to be part of FHWA's Everyday Counts Initiative to promote accelerated bridge construction (ABC) techniques. In lieu of using a cast-in-place concrete deck, full depth precast concrete deck panels were selected as the detail to promote ABC. As part of the Initiative, a proprietary post tensioning system, AccelBridge, was chosen as the method used to apply the required compression to the transverse deck panel joints before they were made composite with the p.p.c. girders. This was the first bridge in the United States to fully implement the AccelBridge system. Huval worked closely with the owner and inventor of AccelBridge, during the design phase, to incorporate the required details and construction sequencing into the plans. During construction, Huval worked hand in hand with the Contractor and DOTD to ensure the construction sequencing was followed and the proper stress was applied to the deck panels. In the Spring of 2017, the bridge was completed and a successful load test, of the deck, was performed. The bridge is being continuously monitored via instrumentation that was installed and to date the bridge has performed as intended.

***Key Project Members*:**

David S. Huval, Sr., Principal, **Justin Peltier**, Bridge Design Engineer

Reid Romero, Bridge Design Engineer, **Colby Guidry**, Bridge Design Q.C.

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

Firm name	**Huval & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Bridge**	
Project name	I-220/I-20 Interchange Imp & BAFB Access Design-Build Project		Firm responsibility (prime or sub?)	Prime	
Project number	H.003370	Owner's name	LADOTD		
Project location	Shreveport, Louisiana		Owner's Project Manager	Peggy Jo Paine	
Owner's address, phone, email	1201 Capitol Access Rd. Baton Rouge, LA 70804-9245; (225)-379-1065; peggy.paine@la.gov				
Services commenced by this firm (mm/yy)	08/18	Total consultant contract cost ($1,000's)		$2,250	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$1,300	

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

HUVAL, as Lead Designer, teamed with James Construction Group for the I-220/I-20 Interchange Imp & BAFB Access Design-Build Project and was selected by LADOTD February 2019.

The I-220/I-20 Interchange Imp & BAFB Access Design-Build Project consists of extending I-220 as a 4-lane freeway (Barksdale Access Road) south over I-20 to proposed ramp gores for ramps W-S and S-E at Musselshell Bayou then continuing south as a 4-lane rural arterial, crossing over the KCS RR, ending on BAFB property. Included is a modification of the existing I-220/I-20 interchange to also provide direct access from I-20 to Barksdale Access Road. Cost of the project is $72 million. Saving $10 million for the LADOTD, a HUVAL-developed Alternative Technical Concept (ATC) was accepted by LADOTD and incorporated into the project. This ATC changed the IMR concept for the I-220/Barksdale Road northbound exit to I-20 westbound entrance (Ramp NB-WB) from an elevated semi-direct flyover ramp (Ramp S-W in the IMR) to an at-grade loop ramp. This ATC partial cloverleaf design extends the collector-distributor road for the I-20 westbound exit to the I-220 southbound entrance (Ramp WB-SB) included in the IMR concept in order to connect NB to WB traffic to the I-220 southbound to I-20 westbound entrance ramp (Ramp SB-WB).

HUVAL's responsibilities for the I-220 interchange project include Lead Designer, project management, bridge design, sequence of construction, and traffic control plans. Sigma Consulting Group is assisting HUVAL, performing road design, drainage and related services.

HUVAL also is providing construction engineering support for James Construction Group during the construction phase of the project.

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

***Key Project Members*:**

Thomas Gattle, III, Design Manager

Justin Peltier, Lead Bridge Design

Rudy McLellan, Design Quality Manager

Bob Schmidt, Traffic

Reid Romero, Bridge Design

Colby Guidry, Design and Construction Liaison

Firm name	**Huval & Associates, Inc.**	Past Performance Evaluation Discipline(s)*	**Bridge**
Project name	I-10: Highland Rd. to LA 73 Design Build	Firm responsibility (prime or sub?)	Sub
Project number	H.009250	Owner's name	LADOTD
Project location	Baton Rouge, LA	Owner's Project Manager	Peggy Jo Paine, P.E
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804, (225) 379-1065, peggy.paine@la.gov		
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost ($1,000's)	$1,050
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm ($1,000's)	$1,050

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

HUVAL led the design of all bridges for this project, consisting of 1 new twin bridge on mainline I-10, 1 widened twin span bridge on mainline I-10, and rehabilitation of an existing bridge over mainline I-10 in Baton Rouge. HUVAL prepared final bridge plans for the I-10: Highland Rd. to LA 73 Design Build for the LADOTD in accordance with the AASHTO LRFD Bridge Design Specifications and the Bridge Design and Evaluation Manual.

The I-10 mainline bridge over Highland Rd. consists of a full replacement of 2 existing twin structures utilizing a 3-span structure which included 2 prestressed girder spans and 1 steel plate girder span of 190'. The superstructure is support by column bents and pile bents and will be one structure at the end of the project. In order to maintain high volume traffic on I-10 while reconstructing the bridge, the new bridge had to be constructed in 3 separate phase

The I-10 bridge over Bayou Manchac consists of the widening of 2 existing slab span structures supported by pile bents. The widening of these structures occurred toward the centerline of the project so traffic could be maintained during construction.

LA 928 consisted of a bridge rehabilitation/girder replacement/span jacking of the existing 4 span prestressed girder structure. The rehabilitation consisted of repairing spalls, cracks, and cleaning. The girder replacement was necessary since a girder had been struck by an over height vehicle. The bridge also required the jacking of spans to facilitate the necessary vertical clearance of the new widened roadway section.

Huval performed **100%** of the work for this project in the State of Louisiana.

***Key Project Members*:**

David S. Huval, Sr., Principal
Robert Schmidt, Project Manager
Colby Guidry, Project Manager/Lead Engineer
Justin Peltier, Design Engineer
Reid Romero, Design Engineer

In order to maintain high volume traffic on I-10 while reconstructing the bridge, the new bridge had to be constructed in 3 separate phases.

Firm name	**Huval & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Bridge**	
Project name	Kansas Lane – Garrett Road Connector		Firm responsibility (prime or sub?)	Sub	
Project number	H.007300	Owner's name	LADOTD		
Project location	Monroe, Louisiana		Owner's Project Manager	Catherine Mastin	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, (225) 379-1652, Catherine.mastin@la.gov				
Services commenced by this firm (mm/yy)	9/17	Total consultant contract cost ($1,000's)		$3000	
Services completed by this firm (mm/yy)	On-Going	Cost of consultant services provided by this firm ($1,000's)		$650	

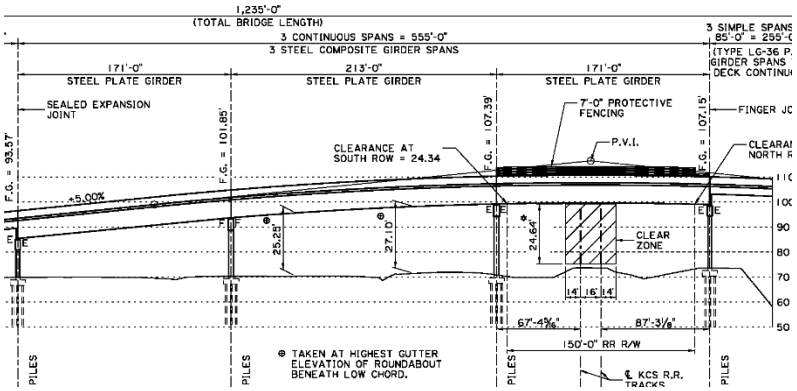
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

HUVAL leads the design of all bridges for this project, consisting of 1 new bridge over I-20, 1 new bridge over LA 594 and the KCS Railroad and preservation of the existing Garrett Road bridge over I-20. HUVAL is preparing final bridge plans for the LADOTD in accordance with the AASHTO LRFD Bridge Design Specifications and the Bridge Design and Evaluation Manual.

The new Garrett Road Bridge over I-20 consists 4, LG-36 girder spans providing a total bridge length of 380'-0". The superstructure is supported by concrete column bents and pile footings. The Kansas Lane– Garrett Road Connector bridge consists of a 555'-0", 3-span continuous steel plate girder superstructure with LG-36 girder approach spans. The total bridge length is 1,235'-0". The superstructure is supported by concrete column bents and pile footings. The bridge will span over LA 594 and completely span over the KCS Railroad right-of-way. Preservation of the existing Garrett Road bridge consists of an epoxy deck overlay, repairing spalls and cracks, installing new guard rail and a class 3 concrete finish. Once the estimated $50 million project is complete, it will provide an upgraded interchange at I-20 and Garrett Road and the direct connection of Garrett Road to Kansas Lane.

Huval & Associates, Inc. performed **100%** of the work for this project in the State of Louisiana.



***Key Project Members*:**

David S. Huval, Sr., Principal
Thomas Gattle, III, Road Design Engineer
Justin Peltier, Lead Bridge Design Engineer
Reid Romero, Bridge Design QC/QA

Firm name	**Huval & Associates, Inc.**	Past Performance Evaluation Discipline(s)*	**Bridge**
Project name	Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project	Firm responsibility (prime or sub?)	Prime

Project number	H.004791	Owner's name	LADOTD
Project location	Belle Chasse, Louisiana	Owner's Project Manager	Nicholas Olivier
Owner's address, phone, email	1201 Capitol Access Rd. Baton Rouge, LA 70804-9245; (225)-379-1133; nicholas.olivier@la.gov		

Services commenced by this firm (mm/yy)	08/18	Total consultant contract cost ($1,000's)	$7,500
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$6,000

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

HUVAL is the Lead Designer on the Traylor/Massman DBJV and Plenary Infrastructure team for the new Belle Chasse Bridge Public-Private Partnership Project, including urban arterial approach roadways and toll system.

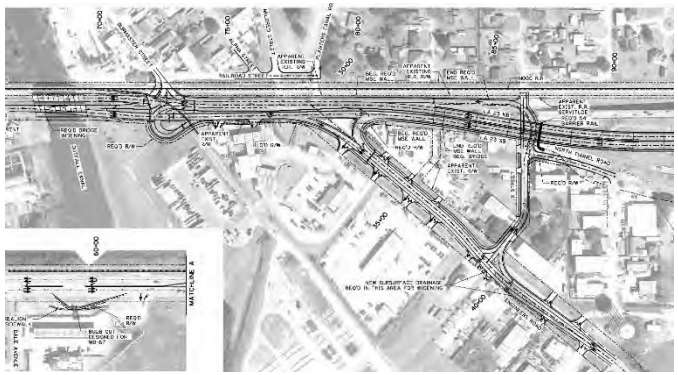
***Key Project Members*:**

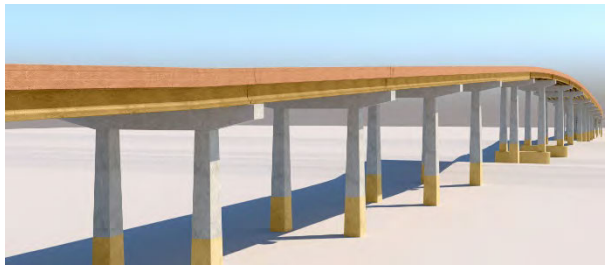
David S. Huval, Sr., Principal
Bob Schmidt, Design Manager
Thomas Gattle, III, Roadway Design
Michelle Helminger, Roadway Design
Rudy McLellan, Lead Bridge Design
Matthew Hebert, Bridge Design
Colby Guidry, Design QC

The Belle Chasse Project consists of replacing an existing vertical lift bridge/tunnel pair on Belle Chasse Highway (LA 23) with one four-lane fixed span bridge over the Gulf Intracoastal Waterway (GIWW). This project will improve connectivity from Lapalco Boulevard (LA 248) to Woodland Highway (LA 406). The project includes a toll on the new bridge to help fund construction cost as well as operations and maintenance for the duration of the toll.

HUVAL led the winning design by crafting an alternative technical concept (ATC) including numerous access management, Complete Streets, super street, and traffic signal design features. Green Infrastructure design of the multi-acre infield area of the new bridge significantly reduces runoff from the project. This winning ATC significantly reduced the amount of new right-of-way and displacements needed to construct the project and simultaneously improves traffic operations in the constricted corridor.

The Rio Grande Railroad is directly adjacent to the project corridor and also crosses the GIWW. It requires numerous at-grade roadway crossings, signalized intersections, and navigation protection and lighting. HUVAL has coordinated these elements of the project with the Railroad to enable the project to meet contracted schedule requirements.





Huval & Associates, Inc. performed **100%** of the work for this project in Louisiana.

Firm name	**Huval & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	**Bridge**	
Project name	I-49 @ Verot School Road		Firm responsibility (prime or sub?)	Prime	
Project number	H.011235.5	Owner's name	LADOTD		
Project location	Broussard, Louisiana		Owner's Project Manager	Cory Landry, P.E.	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70804, (225) 379-1065, cory.landry@la.gov				
Services commenced by this firm (mm/yy)	6/16	Total consultant contract cost ($1,000's)		$3,300	
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm ($1,000's)		$700	

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

HUVAL leads a group of firms providing preliminary engineering and related services to construct 2.4 miles of mainline freeway and an interchange at the intersection of I-49 South/US 90 and Verot School Road. The project consists of an above grade bridge structure on Verot School Road that traverses over the I-49 South/US 90 mainline roadway and the parallel railroad. The project also includes one-way frontage roads on both sides of the mainline roadway, a two-way collector service road east of the mainline roadway, and a new alignment of Verot School Road from the interchange to an existing bridge structure approximately 600' west of its intersection with LA 182 (Pinhook Road). A roundabout will be utilized as the intersection between the reconstructed and realigned Verot School Road and South College Drive.

Huval was given a Notice to Proceed in July of 2016 which began Phase 1 of the design project. Phase 1 consisted of a topographic survey, SUE services, traffic engineering analysis, conceptual roadway design and bridge design, preliminary geotechnical study and public meeting and outreach. The goal of Phase 1 was to analyze and update the Record of Decision (ROD) Conceptual Layout and assess the limits of the updated concept compared to that of the ROD Concept. Phase 2, the Preliminary Plan portion of the project, begin in May of 2018 where Huval continues to lead bridge and roadway design efforts.

During the Preliminary Plans portion, as the prime consulting firm, Huval is responsible for overall project management, lead bridge design and assisting in developing the roadway design plans.

HUVAL is performing 100% of this work in the State of Louisiana.

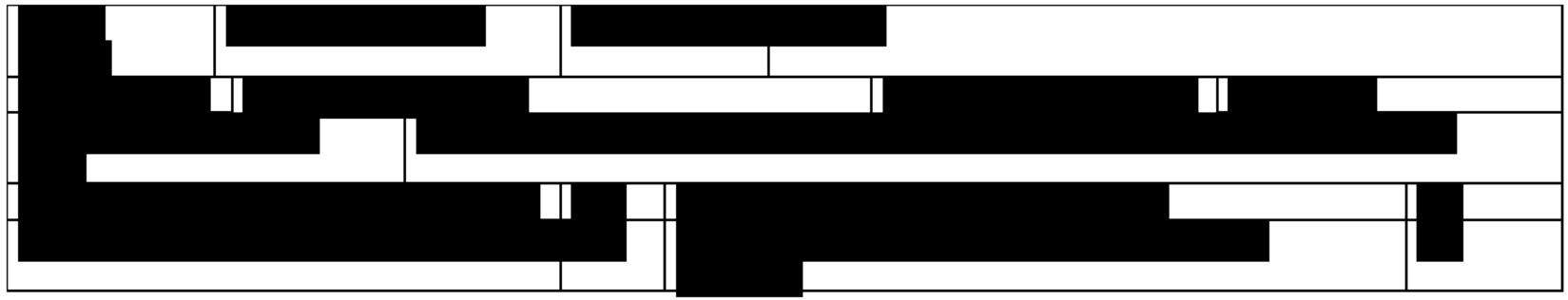
***Key Project Members*:**

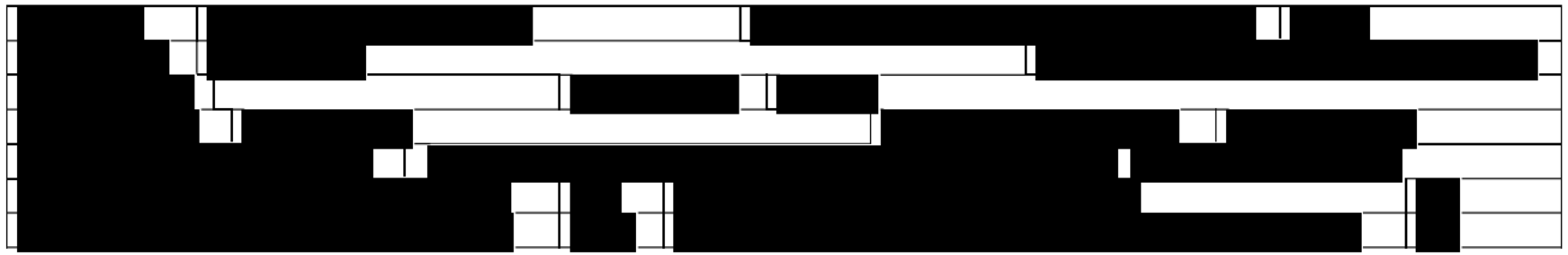
David Huval, Sr., Principal, Structural Design
Thomas Gattle, III, Project Manager
Nick Helminger**,** Design Engineer
Michelle Helminger, Constructability, Design
Justin Peltier, Design Engineer

=

17. **Firm Experience:**

[redacted]





[redacted]

SECTION 18 - Approach and Methodology

VOLKERT

18. Approach and Methodology:

Provide a description of how the work will be performed and provide the proposed project schedule. Include any additional information or description of unique resources that are planned to be used to produce the deliverables. Include any proprietary technologies, methods or approaches that will be used on this project to improve quality or efficiency. If the proposal is for an IDIQ contract, the consultant should review the scope of services in Attachment A to the advertisement to obtain a general understanding of what a typical task order would entail. Based upon that understanding, the consultant should provide a sample schedule that identifies the major milestones, deliverables, tasks, etc., to demonstrate sufficient understanding of a typical task order. The duration of the task order is not required. This section shall be limited to four pages. If more than four pages are included, all pages after the fourth page will not be evaluated.
If the consultant has information, it believes is proprietary, label it accordingly.

UNDERSTANDING CURRENT INSPECTION REQUIREMENTS

Volkert's engineers and bridge inspectors have acquired their valuable experience inspecting simple and complex bridge structures both above and below water. Many of our bridge inspectors have more than 20 years, in some cases over 30, of experience inspecting bridges. A thorough inspection and recording of a bridge requires clear understanding of several of the nation's laws and required regulations. An in-depth knowledge of the National Bridge Inspection Standards (NBIS) is vital to accomplishing this task in complete compliance.

Volkert is experienced in performing inspections in compliance with other documents such as the American Association of State Highways and Transportation Officials (AASHTO) Manual for Bridge Evaluation (MBE) (current edition), with 2011, 2013 and 2014 Interim Revisions; Federal Highway Administration (FHWA) Bridge Inspector's Reference Manual (BIRM), December 2012; FHWA Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Highway Bridges, FHWA-PD-96001, December 1995 with 2000 Revisions; the NBIS, Code of Federal Regulations (CFR), Title 23, Part 650, December 2004, and the Louisiana BI Manual.

Emergency Response Plans

Volkert has provided emergency inspections and analyses following bridge hits and the devastation to the bridges along I-10 in Florida, Mississippi, and Louisiana caused by Hurricanes Ivan and Katrina as well as Sandy in the New York area at the Statue of Liberty as part of an emergency task order with Eastern Federal Lands Highway Division (EFLHD). We also provided emergency bridge inspection services to the Minnesota Department of Transportation following the I-35W bridge collapse. Our team mobilizes quickly to get the structure repaired and back in service as soon as possible. Once under contract, Volkert's Project Manager, Aaron Immel, PE, with the assistance of Volkert's proposed Project Team will develop a 24/7 emergency response plan for submittal and approval of LADOTD staff if the need ever arises.

Upon discovering any unusual or adverse structural conditions, bridge inspectors will immediately notify the LADOTD district officials, having access to their phone lines, and advise them of the conditions which may require immediate or urgent attention. Based on this dialogue, decision to close the bridge or modify its traffic pattern shall be made for immediate action. Subsequently, Volkert's bridge design engineers team most familiar with the bridge type will be consulted for an expeditious response and resolution. At the instruction of the LADOTD project manager, plans for repair will be prepared as needed. Bridge inspectors will not contact 911 in such situations, and LADOTD district contact will be the first point of contact. The Volkert inspection team will remain on site until the situation has resolved to the satisfaction of LADOTD.

Inspection Execution

Prior to each scheduled inspection, our teams will review an inspection folder that is prepared for each structure. Each folder shall contain all available data which usually includes a report tracking sheet, inspection plan, previous inspection report with repair recommendations,

addendums with deficiency photos, CIDR, profile, and the current load rating summary. Inspection methods would be reviewed in order to minimize any lane closure requirements during peak travel times and/or to maximize efficiency. If appropriate, the use of technology, such as drones or rope access, may be recommended if we believe it will be cost effective and minimize the impact to the vehicle traffic on the structure to be inspected.

Please note that the Volkert Team has licensed structural inspectors, mechanical, and electrical engineers for cases involving movable bridges, toll facilities, approach roadways and other components such as lighting and signing on bridges. We understand the wide variety of expertise and qualifications for the assets owned and managed by LADOTD and have provided for inspection of all.

We use our in-house tracking database to ensure that the same lead CBI or PE does not conduct consecutive inspections. Aaron Immel conducts weekly safety meetings, emphasizing proper inspection procedures and discussing inspection issues/concerns. At each structure, the inspection team, with safety vests on, will place temporary traffic control equipment and will confirm that the inspection site is safe for the inspection team and traveling public. The accuracy of all structure identification and appraisal data will be verified. We have over 20 years of experience updating Structures Inventory and Appraisal/BMS data and have been using AssetWise in several states and with EFLHD for several cycles.

All hands-on inspections, measurements, inventory and deficiency photographs, channel depth measurements, and field notes are completed and recorded before the inspection team leaves the site. Completing the field draft report while on-site prevents returning to the site for missing information and so facilitates report accuracy. This is a time and cost saving step.

Any structures that have fracture critical members, may require special access equipment and non-destructive testing (NDT). Our crews are equipped with dye penetrant kits, ultrasonic thickness gauges, and magnetic particle test kits in order to properly detect any defects in the steel members. A structural engineer will review the fracture critical plan to ensure that the fracture critical tension members or components are correctly identified. Team leaders will prepare for these inspections by reviewing and understanding the fracture critical data section of the previous report.

Rope Access and Nondestructive Testing

Collins can supply multiple inspection team members with prior complex bridge inspection experience. This will produce highly detailed and efficient inspections. Inspection teams are well-versed in AASHTO element/defect level inspections and fracture critical inspection protocols. Inspection team leaders will be certified to perform NBI and element level bridge inspections, rope access inspections, fracture critical inspections, and certified to perform necessary non-destructive testing as needed to ascertain structural conditions of steel members. Collins has 47 NDT Level II inspectors available to perform ultrasonic testing (UT) inspections as requested by LADOTD. Collins inspectors routinely perform ultrasonic testing of bridge pins. Inspection Teams will have digital thickness gauges to help determine section loss of various members, especially top flanges of floor beams and stringers embedded in concrete. Collins will supply magnetic particle (MT) and liquid penetrant testing (PT) as needed to identify and measure steel cracks.

Our goal is to use the most creative inspection techniques which will avoid lane or complete road closure. We understand that lane or road closures are an inconvenience to the travelling public, which can result in vehicular accidents and loss of time and economy. To help minimize and in many cases completely negate the need for traffic control, our team has over 30 rope access certified inspectors that can be used. Additionally,

our inspectors are experienced using alternative access techniques including boats, bucket boats, barges, and even UAS/drones to aid in the inspection and reduce the need for traffic control. Our inspection teams routinely use these access methods on complex bridge inspection projects.

Using rope access and adapted climbing techniques on bridge inspections greatly reduces the need for lane closures on the bridge. Over the past 15 years, Collins has safely inspected over 500 bridges using rope access techniques on bridges of all shapes and sizes, including cable-stayed, tied-arches, tall steel plate girder bridges, and trusses over 650 ft above grade. Our staff includes 31 SPRAT certified rope access inspectors, including 7 SPRAT Level III Supervisors, the highest level of SPRAT certification, who all specialize in climbing complex bridges to minimize lane closures. All technical access will be performed by staff in-house; we will not need to hire outside technicians to assist with this service. Rope access inspections present unique safety challenges, such as falls, rescue techniques, preventing objects falling on the roadway, working in varying weather, etc. All inspections will be conducted in accordance with applicable OSHA safety standards, and team members performing climbing inspections will be SPRAT trained and certified. A SPRAT Level III will be onsite during all rope access work.

Underwater Inspection

As a pioneer in the use of engineers to perform underwater structural inspections, Collins continues to lead the industry today through the latest developments in diving and underwater imaging technology. Collins' underwater leadership role is best recognized by our work with the Federal Highway Administration (FHWA). We have developed and taught several FHWA/NHI structural inspection courses, including the NHI 130091 Underwater Bridge Inspection and the NHI 130091B Underwater Bridge Repair, Rehabilitation, and Countermeasures courses.

With over 300 employees and 25 offices nationwide, we have completed over 15,700 underwater bridge inspections in every conceivable environment, including deep reservoir lakes, fast current rivers, and remote locations. Our size and capabilities provide LaDOTD the flexibility to meet demanding schedules and respond quickly to emergency or fast-tracked inspection needs. Waterways throughout Louisiana have inherent dangers when working in or around them. However, Collins' divers are trained to analyze the dangers at each specific site and develop a plan to safely perform the required inspection. Prior to leaving for an inspection trip, a review of the structures and waterways is used to develop a Dive Safety Plan (DSP). This in-house form will be used on every dive job to analyze the level of risk associated with the planned inspections. Once on site, a Job Safety Analysis (JSA) will be conducted by all members of the inspection team, in which the team members discuss typical and site-specific hazards and precautions taken to mitigate those dangers.

Collins is committed to advancing inspections using technology. Collins' underwater Team Leaders have extensive experience with underwater acoustic imaging to improve and augment the data collected during bridge inspections. Collins owns and regularly uses underwater imaging equipment to develop both 2D and 3D deliverables, including underwater point cloud data in which measurements and quantities can easily be obtained. Additionally, Collins has an underwater resistance drill that can be used to determine internal timber pile decay.

Communications

Volkert inspection crews use smart phones equipped with Wi-Fi hot spots and tablets that have the capability to send live video directly from the inspection site. Laptops are also used by our inspectors to send photos and videos of structural issues to our PM and Field Supervisor for

immediate review. Digital photos and video files can be forwarded to LADOTD personnel to clearly show a specific structure's issue identified during an inspection. Volkert will notify the Volkert project manager and LADOTD staff of critical deficiencies that warrant immediate and, if any, traffic restrictions. Written notice of such deficiencies will be provided within 24 hours.

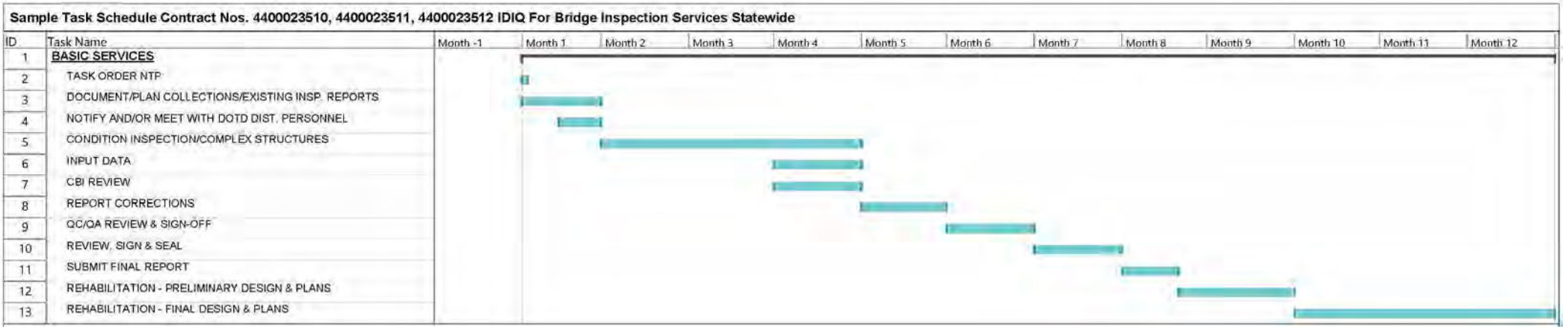
Minimize Interruption of Traffic

Our goal is to use the most creative inspection techniques which will avoid lane or complete road closure. We understand that lane or road closures are an inconvenience to the travelling public, which can result in vehicular accidents and loss of time and economy.

TYPICAL SCHEDULE FOR BRIDGE INSPECTIONS:

List of variables that could affect a bridge inspection:

- Bridge size, type, and complexity
- Size of inspection team depends on bridge size and complexity along with access requirements
- Special equipment required for access, i.e., snooper truck, manlift, rope access, boat, and/or underwater team
- Traffic control requirements, i.e., lane closures, high volume traffic routes
- Night inspections due to high volume traffic routes
- Bridge condition: a bridge in poorer condition will take longer to inspect
- If bridge plans are not available, field measurements of bridge components may be needed.
- Special non-destructive testing of bridge components
- Permits may be needed for traffic control, railroad access, and Corps of Engineers and/or U.S. Coast Guard (navigable waterways)



SECTION 19 - Workload

- Volkert, Inc.
- Collins Engineering, Inc.
- Huval & Associates, Inc
- KPFF Consulting Engineers

19. **DOTD Workload:**

VOLKERT, INC.				
Firm	**Past Performance Evaluation Disciplines(s) ***	**State project number**	**Project name and location**	**Remaining unpaid balance****
Volkert, Inc.	Road	H.003074; H.009087	Route I-10: Williams Blvd. to Veterans Blvd. & Loyola Drive to Williams Blvd. – Sub-consultant, Jefferson Parish, LA	$11,535.84
Volkert, Inc.	CE&I / OV	H.013897.6	College Drive Flyover Ramp. I-10/I-12 West & East Baton Rouge Parish, LA	$2,235,582.00
Volkert, Inc.	CE&I / OV	H.003003.6-2	Retainer Contract Retainer 44-19950 For Construction Engineering Management And Staff Augmentation Services For District 03 – TO 1, Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary & Vermilion Parishes, LA	$49,654.00
Volkert, Inc.	CE&I / OV	H.004100.6	Phase I W. of Washington Street to Essen Lane (CE&I) Phase I Segment 01. W. of Washington Street to Acadian Thruway, Route I-18. East & West Baton Rouge Parishes, LA	$9,000,000 (E)
Volkert, Inc.	CE&I / OV	H.010601.6	Retainer Contract For Construction Engineering Management And Staff Augmentation Services For District 03 – TO 3, Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary & Vermillion Parishes, LA	$62,946.00
Volkert, Inc.	CE&I / OV	H.007811, H.000710, H.002273, and H.001352	Comite Diversion Canal CE&I and Utility Relocation, Routes US 61, LA 964, LA 19, and LA 67, East Baton Rouge Parish, LA	$522,136.00

VOLKERT, INC.				
Firm	**Past Performance Evaluation Disciplines(s) ***	**State project number**	**Project name and location**	**Remaining unpaid balance****
Volkert, Inc.	CE&I / OV	H.002151.6	Retainer Contract Retainer 44-19950 For Construction Engineering Management And Staff Augmentation Services For District 03 – TO 2, Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary & Vermillion Parishes, LA	$148,280.00
Volkert, Inc.	Bridge	H.011152.5	I-12 Widening (US 190 to LA 59) Route I-12 – Sub-consultant, St. Tammany Parish, LA	$22,815.00
Volkert, Inc.	Road	H.001309.5	MacArthur Blvd. Phase II Final Plans – Sub-consultant, Jefferson Parish, LA	$77,678.00
Volkert, Inc.	Bridge	H.004113	I-12 to Bush LA 3241 (LA 435 to LA 40 / LA 41), St. Tammany Parish, LA	$51,392.00
Volkert, Inc.	CE&I / OV	H.003370	I-220 / I-20 Interchange Improvement & Barksdale AFB Access, Bossier Parish, LA	$762,211.00
Volkert, Inc.	Traffic	Contract No. 440004787 H.009250	IMR I-10 Highland Road to LA 73, East Baton Rouge and Ascension Parishes, LA	$1,490,597.00
Volkert, Inc.	CE&I / OV	H.004791	Belle Chasse Bridge and Tunnel Replacement (New Addition based on the advance NTP 02/04/20)	$5,968,042.00
Collins Engineering, Inc.				N/A
KPFF, Inc.				N/A

HUVAL & ASSOCIATES				
Firm	**Past Performance Evaluation Disciplines(s) ***	**State project number**	**Project name and location**	**Remaining unpaid balance****
Huval	Bridge	S.P. H. 011235	I-49 South @ Verot School Road Lafayette Parish – Design Phase Supp. #1&2	$91,846.00
Huval	Bridge	S.P. H.004774.5	Kanas Lane-Garrett Road Connector – Supp #1	$33.015.00
Huval	Bridge	S.P. H.009497.6	LA 106: Bayou Bouef - Construction Services	$18,549.00
Huval	Bridge	S.P. H.011808.5	LA 10: Company Canal – Construction Services	$27,715.00
Huval	Bridge	S.P. H.010000.5-2	US 171 Over Calcasieu River – Construction Services	$49,490.00
Huval	Bridge	S.P. H.011485.6	LA 336-1 Bayou Teche Bridge @ Breaux Bridge Construction Services	$93,997.00
Huval	Bridge	S.P. H. 012650.6	Bridge Repair District 62 - Construction Services	$25,337.00
Huval	Bridge	S.P. H.012451.6	Dist. 04 Bridge Repairs - Construction Services	$20,456.00
Huval	Bridge	S.P. H.010006.5	LA 58 Petit Caillou Bridge Rehabilitation	$1,481.00
Huval	Bridge	S.P. H.002868.5	Ambassador/BNSF Frontage Road Bridges	$9,795.00
Huval	Bridge	S.P. H.003370	I-220/I-20 Interchange IMP & BAFB Access	$116,000.00
Huval	Bridge	S.P. H.008226	Cheniere Spillway & Bridge Replacement	$20,000.00
Huval	Bridge	S.P. H.004791	LA 23: Belle Chasse Bridge and Tunnel (HBI)	$1,590,789.00
Huval	Bridge	S.P. H.001352.5	Comite Diversion Bridge at LA 67 – Construction Services	$104,625.00
		S.P. H.002273.5	Comite Diversion Bridge at LA 19 & LA 19 Railroad – Const. Services	
Huval	Bridge	S.P. H.004100	I-10 CMAR – Segment 1 Design	$5,177,660.00
Huval	Bridge	S.P. H.014560.5	LA 94: Vermillion River Bridge Replacement	$139,126.00
Huval	Bridge	S.P. H.014747	Southern University Ravine Project	$314,910.00

VOLKERT

SECTION 20 - Certifications/Licenses

- Volkert, Inc.
- Collins Engineering, Inc.
- Huval & Associates, Inc
- KPFF Consulting Engineers

20. **Certifications/Licenses:**

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

SEE ATTACHED

Janet Evans, PE, MBA

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

Ms. Janet Leigh Evans

License/Certificate Type - Number: PE.0021307

Expiration Date: 09/30/2022

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LAR. S. 37:689 requires firms practicing or offering to pre... engineering or land surveying in the state of Louisiana to ... by the Board prior to offering such services.

ATSSA

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

SLOW

This is to affirm that

JAN EVANS

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date OCT 2022 State Issued in LA

Instructor's Signature

Verification available by calling 1-877-842-3837 or at http://www.flagger.com

The American Traffic Safety Services Association

Hereby recognizes that

Janet Evans

has attended

Traffic Control Supervisor Refresher-LA State Specific Training Course

11/01/2018 to 11/01/2018
Date

Baton Rouge, LA
Location

ATSSA

Training & Products Dept. Director

President, CEO

Aaron Immel, PE, CBI, CFM

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

Mr. Aaron David Immel

License/Certificate Type - Number: PE.0029153
Expiration Date: 03/31/2023
Status: ACTIVE

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose license are in "forfeited", "inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R.S. 37:698 requires firms practicing or offering to practice engineering or land surveying in the State of Louisiana to be licensed by the Board prior to offering such services.

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Aaron Immel

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher

hosted by

Volkert, Inc.

Date: August 15-17, 2017
Location: Atlanta, GA

Hours of Instruction: 18

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Aaron Immel

has satisfactorily completed training in

Stream Stability and Scour at Highway Bridges

conducted by

Ayres Associates

Location: Orlando, Florida
Date: March 25-27, 2003

Hours of instruction: 24
Continuing Education Units: 1.8

Instructor

Roger Ryells
General, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional Development
Federal Highway Administration

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Aaron Immel
has participated in

Safety Inspection of In-Service Bridges
hosted by
ALABAMA DEPARTMENT OF TRANSPORTATION
Presented by
Michael Baker Corporation

Location: Tuscaloosa, Alabama
Date: September 13-24, 2004

Hours of instruction: 80

Instructor

Roger Ryells
Director, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional Development
Federal Highway Administration

National Highway Institute

Certificate of Training

Aaron Immel

has participated in

FHWA-NHI-130078

Fracture Critical Inspection Techniques for Steel Bridges

hosted by

Eastern Federal Lands Highway Division

Date: *February 19-22, 2013* *Hours of Instruction:* 21

Location: *Sterling, VA*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Aaron Immel

has participated in

FHWA-NHI-130087

Inspection and Maintenance of Ancillary Highway Structures

hosted by

Volkert, Inc.

Date: *February 1-2, 2011* *Hours of Instruction:* 12

Location: *Tampa, FL*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training

AARON IMMEL

has participated in

Underwater Bridge Inspection Course

hosted by

Naval Diving and Salvage Training Center

Location: Panama City, FL *Hours of instruction:* 24

Date: 5 October 2006

Instructor

Director, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional Development
Federal Highway Administration

Non Entry Confined Space Rescue Training

To Comply with 29 CFR 1910.146

This is to certify that

Aaron Immel

has diligently and with merit completed
the training and passed an examination

In Testimony Whereof, this certificate has been issued and accreditation number 019-60308 assigned following successful completion of this course and examination on June 3, 2008.

Safety Guidance Specialist, Inc.
Occupational Health & Safety
10945 Hwy 43
Axis, AL. 36505
251-442-6015

A. Lynn Melton

B. Diane Stewart CET, CHMM

Certificate of Completion
Presented by

DENIZENS OF THE DEEP, DIVING COMPANY INC.

To

Aaron Immel

Who has successfully completed a 24-hour class in
Surface Supplied Shallow Water Air Diving.
Learning the skill and requirements of topside tending and who has demonstrated underwater tasks in the KMB 10, KMB 18, DASCO HELMET, AGA and the NEPTUNE FACE MASK.

Given on this 29th day of October

Shawn Woodward
Instructor, DIT
Instructor, IDEA #2468
Instructor, PSDA #461

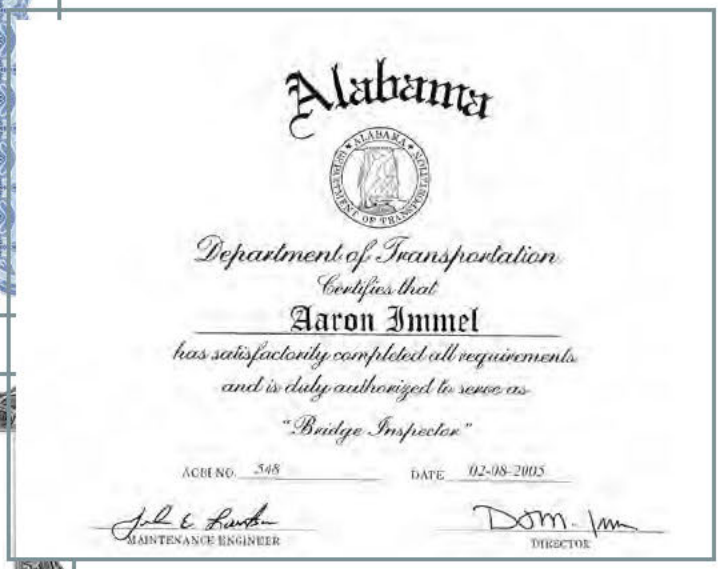
Shawn R. Woodward
President

Certified Tunnel Inspector

*Whereas **Aaron Immel** has shown competency and fitness to conduct bridge inspection as set forth in the National Tunnel Inspection Standards,*

*Therefore, the State of Florida Department of Transportation hereby issues this certificate numbered **00009** as provided by law and object to the powers or revocation vested in said Department on this **1st** day of **May 2017**, A.D.*

BRIDGE MANAGEMENT INSPECTION ENGINEER



Alabama

Department of Transportation
Certifies that

Aaron Immel

has satisfactorily completed all requirements and is duly authorized to serve as

"Bridge Inspector"

ACBE NO. 548 DATE 02-08-2005

MAINTENANCE ENGINEER

DIRECTOR

ASSOCIATION OF STATE
FLOODPLAIN MANAGERS, INC.
CERTIFICATION BOARD OF REGENTS

HEREBY CERTIFIES THAT PURSUANT TO THE PROVISIONS OF THE CHARTER FOR THE CERTIFIED FLOODPLAIN MANAGER PROGRAM

Aaron D. Immel, CFM

IS DULY REGISTERED AS AN

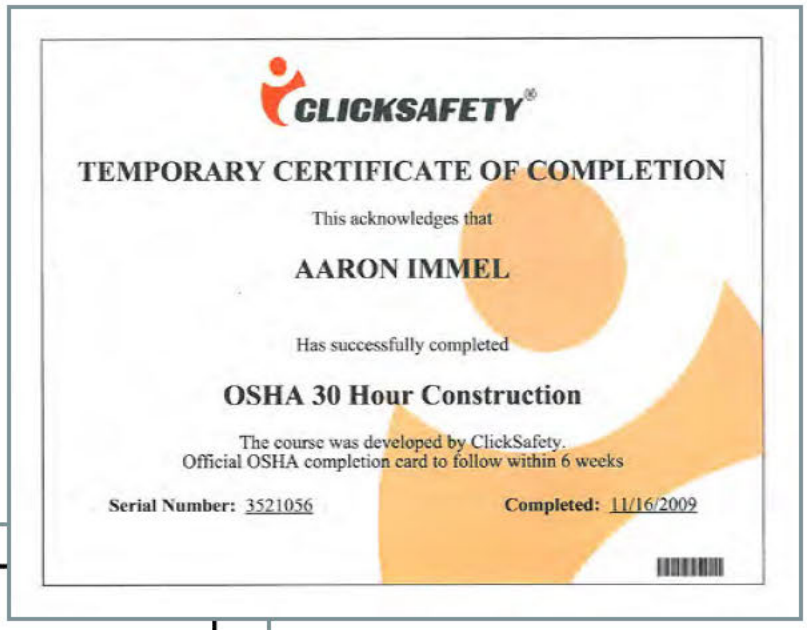
ASFPM CERTIFIED FLOODPLAIN MANAGER

IN TESTIMONY WHEREOF THIS CERTIFICATE HAS BEEN ISSUED BY THE AUTHORITY OF THE CERTIFICATION BOARD OF REGENTS, CERTIFICATE NO. US-09-01165, ISSUED 6/10/2009. THIS CERTIFICATE SHALL EXPIRE 1/31/2015, UNLESS RENEWED ACCORDING TO THE RULES OF THE BOARD.

CERTIFICATION BOARD OF REGENTS
PRESIDENT, Diane L. Calhoun, CFM

ASSOCIATION OF STATE FLOODPLAIN MANAGERS
EXECUTIVE DIRECTOR, Larry A. Larson

ASFPM CFM CERTIFIED



CLICKSAFETY®

TEMPORARY CERTIFICATE OF COMPLETION

This acknowledges that

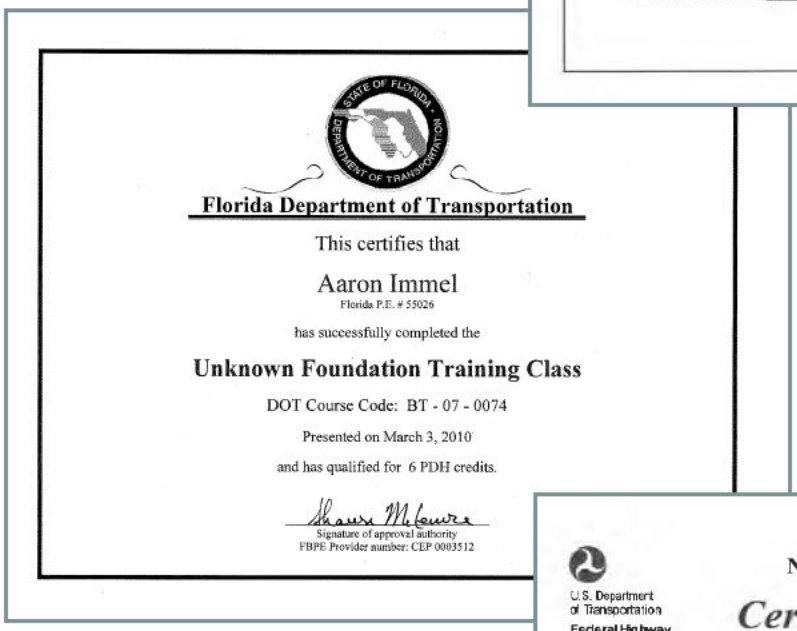
AARON IMMEL

Has successfully completed

OSHA 30 Hour Construction

The course was developed by ClickSafety.
Official OSHA completion card to follow within 6 weeks

Serial Number: 3521056 **Completed:** 11/16/2009



Florida Department of Transportation

This certifies that

Aaron Immel
Florida P.E. # 55026

has successfully completed the

Unknown Foundation Training Class

DOT Course Code: BT - 07 - 0074

Presented on March 3, 2010

and has qualified for 6 PDH credits.

Signature of approval authority
FBPE Provider number: CEP 0003512

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Aaron Immel

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Whitman, Requardt & Associates, LLP

Date: May 4-6, 2021
Location: Virtual Delivery, MD

Hours of Instruction: 18

Instructor

Instructor

Debra Rizzieri
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

Robert Scheeler, PE, CBI

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

Mr. Robert Nile Scheeler

License/Certificate Type - Number	Expiration Date
PE.0043973	03/31/2022

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Robert Scheeler

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Volkert, Inc.

Date: *January 25-27, 2022*
Location: *Tampa, FL*

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Robert Scheeler

has participated in

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

hosted by
Office of State Aid Road Construction

Date: *November 9-20, 2009*
Location: *Hattiesburg, Mississippi*

Hours of Instruction: *60*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Robert Scheeler

has participated in

FHWA-NHI #130053 Bridge Inspection Refresher Training

hosted by
Mississippi Department of Transportation

Date: *August 25-27, 2015*
Location: *Jackson, MS*

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Robert Scheeler

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

Volkert, Inc.

Date: *January 23-27, 2017*
Location: *Mobile, AL*

Hours of Instruction: 32

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Robert Scheeler

has participated in

NHI Course No FHWA-NHI-135086

Stream Stability Factors and Concepts (Prerequisite) WEB-BASED

hosted by

National Highway Institute

Location: *Web-Based Course*
Date: *8/16/2010*

Hours of Instruction: *1 hours*

Richard J. Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

ROBERT SCHEELER

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

Ayres Associates

Date: *April 18-21, 2017*
Location: *Tampa, FL*

Hours of Instruction: 24

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Robert Scheeler

has participated in

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

hosted by
Office of State Aid Road Construction

Date: *November 9-20, 2009*
Location: *Hattiesburg, Mississippi*

Hours of Instruction: *60*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Robert Scheeler

has participated in

Stream Stability and Scour at Bridges for Bridge Inspectors

hosted by

Mississippi Department of Transportation

Date: *October 14, 2010* ***Hours of Instruction:*** 6 Hours
Location: *Cav Center Canton Mississippi*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Robert Scheeler

has participated in

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

hosted by

Mississippi Department of Transportation

Date: *May 12-15, 2009*
Location: *CAV Center Canton, MS*

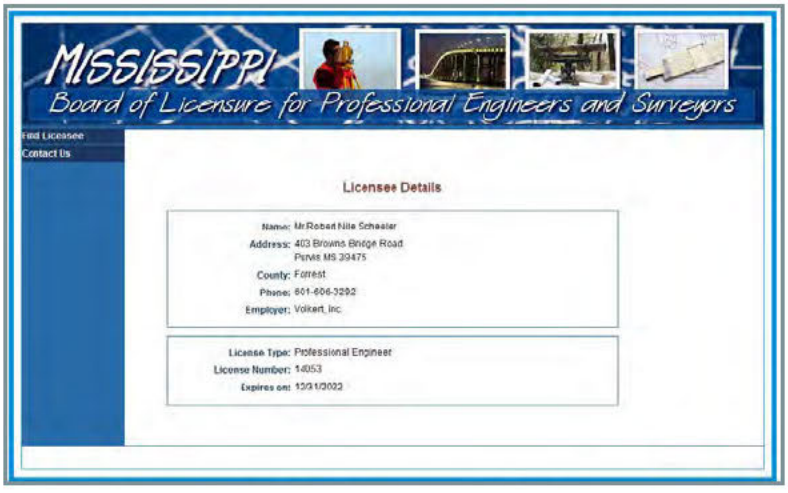
Hours of Instruction: *8 hours each day*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute



Matt Burnett, PE, CBI

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

Mr. Matthew David Burnett

License/Certificate Type - Number	Expiration Date
PE.0045464	09/30/2023

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

National Highway Institute

Certificate of Training

Matthew Burnett

has participated in

FHWA-NHI-130078

Fracture Critical Inspection Techniques for Steel Bridges

hosted by

Alabama Department of Transportation

Date: July 22-25, 2014 *Hours of Instruction:* 21

Location: Guntersville, AL

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Matt Burnett

has participated in

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

hosted by

Alabama Department of Transportation

Date: September 20 – October 1, 2010 *Hours of Instruction:* 60

Location: Mobile, Alabama

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Matthew Burnett

has participated in

FHWA-NHI-130092

Fundamentals of LRFR and Applications of LRFR for Bridge Superstructures

hosted by

South Carolina Department of Transportation

Date: August 21-24, 2012
Location: Columbia, SC

Hours of Instruction: 26.0

Instructor

Instructor

SCDOT – Training Resource Manager

Richard Barnaby, Director
National Highway Institute

National Highway Institu

NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Matthew Burnett

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

Volkert, Inc.

Date: *January 23-27, 2017*
Location: *Mobile, AL*

Hours of Instruction: 32

Instructor

Instructor

Local Coordinator

Valerie Briggs, Dir
National Highway

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Matthew D. Burnett

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

National Highway Institute

Date: *February 10-13, 2014*
Location: *New Orleans, LA*

Hours of Instruction: 21

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

Certified Bridge Inspector

Whereas ***Matthew David Burnett*** *has shown competency and fitness to conduct bridge inspection as set forth in the National Bridge Inspection Standards and Florida Statute 335.074 Bridge Inspection Standards,*

Therefore, under the authority granted by Chapter 14-48 Florida Administrative Code, the State of Florida Department of Transportation hereby issues this certificate numbered ***00511*** *as provided by law and object to the powers or revocation vested in said Department on this* ***22nd*** *day of* ***October 2012,*** *A.D.*

BRIDGE MANAGEMENT INSPECTION ENGINEER

STATE STRUCTURES MAINTENANCE ENGINEER

Association of Diving Contractors International

Cert. # 11004

Expires 07/27/2016

ADC INTERNATIONAL

ENTRY LEVEL TENDER/DIVER

MATTHEW D. BURNETT I.D. 4165

Commercial Diver Certification Card

You have completed the
Oxygen First Aid for Scuba Diving
Injuries Course

DAN

Oxygen First Aid for Scuba Diving Injuries

MATTHEW BURNETT
Provider name

01-21-05
Date (retraining is recommended every two years)

Provider Signature

DAN

Oxygen First Aid for Scuba Diving Injuries

Matthew David Burnett

Has fulfilled all of the educational and practical requirements for providing emergency oxygen first aid in the event of a diving emergency and is recognized as a DAN Oxygen Provider.

We, the undersigned, on the 21st day of January 20 05 endorse this certificate to be current valid. Retraining is recommended every two years (24 months).

Dan Orr
Executive Vice President and COO
Divers Alert Network

Tom Andersen
DAN Instructor
Instructor Number 10762

Certificate of Completion

This certifies that

Matt Burnett

has successfully completed

FHWA LRFR Implementation Webinar Series Topic No. 10:
Load Rating of Steel Truss Bridges (2)
2.5 Hours of Instruction

held by Office of Bridges and Structures and the LRFR Implementation Working Group of Federal Highway Administration on December 17, 2013.

12/23/2013
Signature, Date

Certificate of Completion

This certifies that

Matthew Burnett

has attended and successfully completed the Florida DOT Approved Course

Advanced Maintenance of Traffic

PE License #: 15365
Provider #: 0005345
Course Hours: 16.75

Conducted at Panama City, FL on the 1 day of October 2013

John Swift
Instructor

David Page
Program Coordinator

T2 CTT

Expiration Date: 10/3/2017

National Highway Institute
Training Solutions for Transportation Excellence

Participant Training History

Issued by National Highway Institute

LAST NAME: Burnett PARTICIPANT ID

TELEPHONE:

Session ID	Course#	Course Title	Start Date	End Date	Location	CEU
20100562	130055	Safety Inspection of In-Service Bridges Score: Pass	09/20/2010	10/01/2010	AL	6.0
20120534	130092	Fundamentals of LRFR and Applications of LRFR for Bridge Superstructures Score: Pass	08/21/2012	08/24/2012	SC	2.4
20140705	130078	Fracture Critical Inspection Techniques for Steel Bridges Score: Pass	07/22/2014	07/25/2014	AL	2.5
20140639	130091	Underwater Bridge Inspection Score: Pass	02/10/2014	02/13/2014	LA	2.1
20160133	130053	Bridge Inspection Refresher Training Score: Pass	11/17/2015	11/19/2015	VA	1.8

Valerie Briggs, Director
National Highway Institute

ACCREDITED IACET PROVIDER

One Continuing Education Unit (CEU) is ten contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction and qualified instruction.

Britt Bumpers, PE, CBI

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

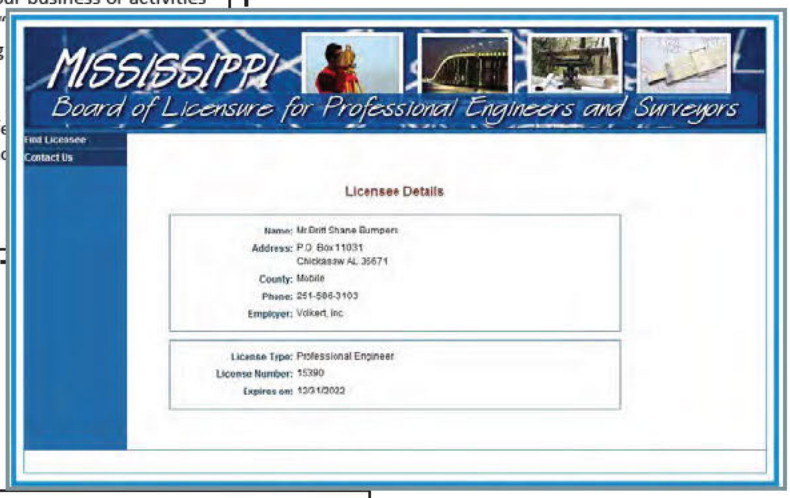
Mr. Britt Shane Bumpers

License/Certificate Type - Number	Expiration Date
PE.0030046	09/30/2022

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "
"Expired" status are prohibited from engaging
described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offe
engineering or land surveying in the state of Lo
by the Board prior to offering such services.



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Britt Bumpers

has participated in

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

hosted by

Alabama Department of Transportation

Date: *August 22-September 02, 2016* ***Hours of Instruction:*** 67
Location: *Birmingham, AL*

Guy R Lang PE
Instructor

Local Coordinator

Patrick A. Matthews P.E.
Instructor

Valerie Briggs
Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Britt Bumpers

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

Date: January 23-27, 2017 *Hours of Instruction:* 32

Location: Mobile, AL

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

National Highway Institute

Certificate of Training

Britt Bumpers

has participated in

NHI Course No FHWA-NHI-130101A

Prerequisite Assessment for Safety Inspection of In-Service Bridges - WEB-BASED

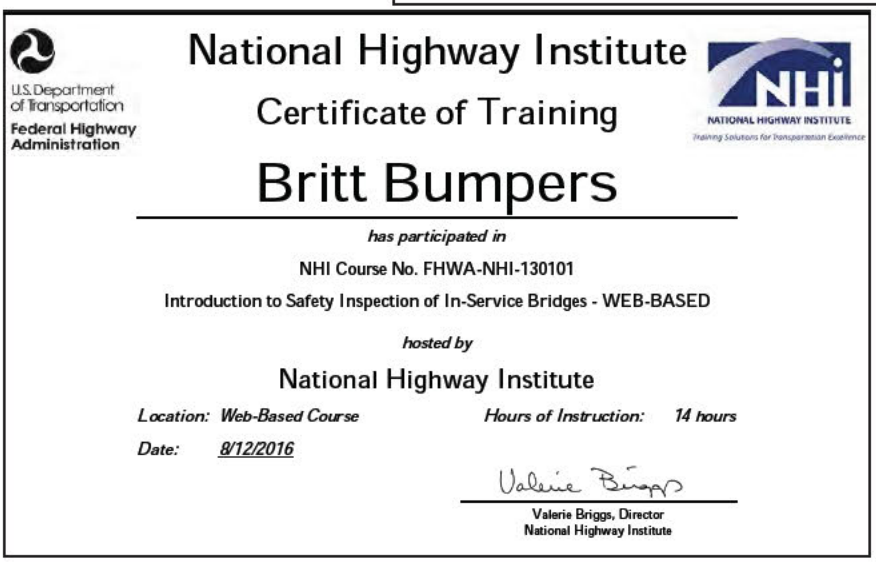
hosted by

National Highway Institute

Location: Web-Based Course *Hours of Instruction:* 1 hours

Date: 8/12/2016

Valerie Briggs, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

National Highway Institute

Certificate of Training

Britt Bumpers

has participated in

NHI Course No. FHWA-NHI-130101

Introduction to Safety Inspection of In-Service Bridges - WEB-BASED

hosted by

National Highway Institute

Location: Web-Based Course *Hours of Instruction:* 14 hours

Date: 8/12/2016

Valerie Briggs, Director
National Highway Institute

Stephen Dossett, PE, CBI

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

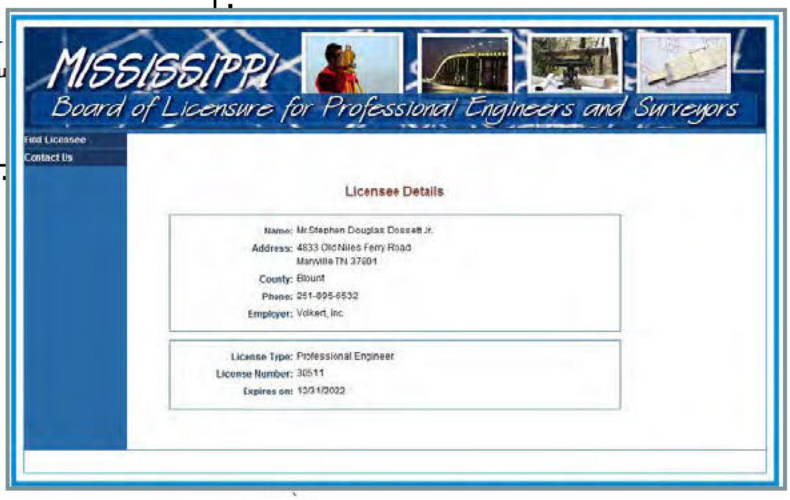
Mr. Stephen Douglas Dossett Jr.

License/Certificate Type - Number	Expiration Date
PE.0038365	03/31/2023

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offer
engineering or land surveying in the state of Lou
by the Board prior to offering such services.



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Stephen Dossett

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Volkert, Inc.

Date: *January 25-27, 2022*
Location: *Tampa, FL*

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

Certificate of Completion

This certifies that

Stephen Dossett

has successfully completed

FHWA LRFR Implementation Webinar Series Topic No. 10:
Load Rating of Steel Truss Bridges (2)
2.5 Hours of Instruction

held by Office of Bridges and Structures and the LRFR Implementation Working Group of Federal Highway Administration on December 17, 2013.

12/23/2013
Signature, Date

Stephen Dossett
Has completed the course requirements for the rating of:
Diver #: 604903
Date: 2014-09-21
SDI Open Water Scuba Diver
Facility: Gulf Coast Divers
Mobile Alabama United States
Inst: Robert Cox Member #:1309
Asst: Lawren McCaghren Member # 1297
RSTC Member | EUFINSO #9001 Certified | www.tdisdi.com

STEPHEN D. DOSSETT
Diver No. 15060W8746
BirthDate 31-Jan-1985
CertDate 31-May-2015
Instr.No. OWSI-327959
KURTIS J. FREELAND
2032
GULF COAST DIVE PROS
PENSACOLA, FL
866 -DIVEPRO
This diver has satisfactorily met the standards for this certification level as set forth by PADI
www.padi.com

Stephen Dossett
Qualified in the use of 22% to 40% nitrox to a maximum depth of 130 fsw/40 msw.
Diver #: 619278
Date: 2016-01-06
Nitrox Diver
Facility: Gulf Coast Divers
Mobile, Alabama United States
Inst: Lawren McCaghren Member # 1297
Asst: Lewis Phillips Member # 1309
EUFINSO #9001 Certified | www.tdisdi.com

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Stephen Dossett

has participated in

FHWA-NHI-130078

Fracture Critical Inspection Techniques for Steel Bridges

hosted by

Alabama Department of Transportation

Date: *July 22-25, 2014*
Location: *Guntersville, AL*

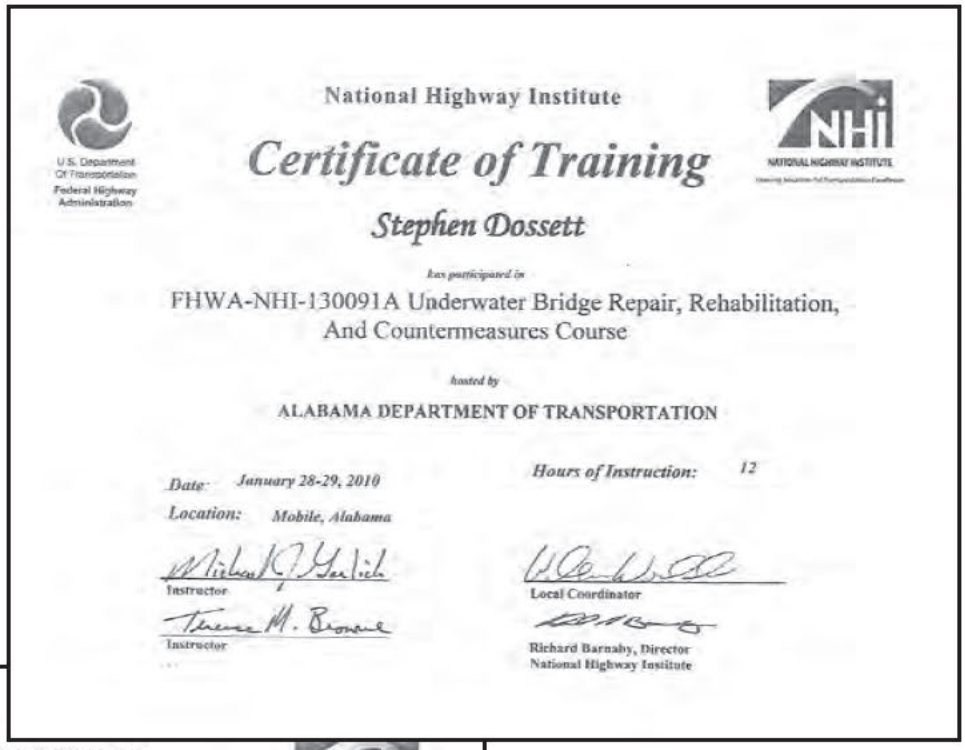
Hours of Instruction: 21

Instructor

Instructor

Jerri K. Haag
Local Coordinator

Richard Barnaby, Director
National Highway Institute



National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Stephen Dossett

has participated in

FHWA-NHI-130091A Underwater Bridge Repair, Rehabilitation, And Countermeasures Course

hosted by

ALABAMA DEPARTMENT OF TRANSPORTATION

Date: *January 28-29, 2010*

Hours of Instruction: 12

Location: *Mobile, Alabama*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Stephen D. Dossett, Jr.

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

ALABAMA DEPARTMENT OF TRANSPORTATION

Date: *January 25-27, 2010*

Hours of Instruction: 18

Location: *Mobile, Alabama*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

vay Institute

Certificate of Completion

NATIONAL HIGHWAY INSTITUTE

Stephen Dossett

has participated in

NHI Course No. 130055

Safety Inspection of In-Service Bridges

hosted by

National Highway Institute

Location: *Montgomery, Al*

Date: *August 3-14, 2009*

Hours of Instruction: *72*

Richard J. Barnaby, Director
National Highway Institute

Robbie Chambless, CBI

National Highway Institute

Certificate of Training

Charles R. Chambless, Jr.

has participated in

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

hosted by

Alabama DOT

Date: September 15-18, 2015 Hours of Instruction: 25

Location: Tuscaloosa, AL

Steven J. Miller
Instructor

Benjamin Yates
Local Coordinator

Calvin V. Cooper
Instructor

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Charles R. Chambless

has participated in

FHWA-NHI-130099: Bridge Inspection Non-Destructive Evaluation Showcase

hosted by

ALABAMA DEPARTMENT OF TRANSPORTATION

Date: February 15, 2011 Hours of Instruction: 6.5

Location: Montgomery, Alabama

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Robbie Chambless

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

ALABAMA DEPARTMENT OF TRANSPORTATION

Date: January 25-27, 2010 Hours of Instruction: 18

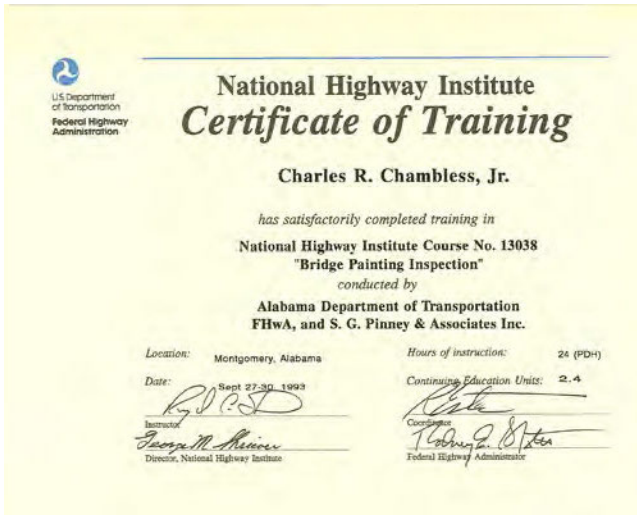
Location: Mobile, Alabama

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute



National Highway Institute

Certificate of Training

Charles R. Chambless, Jr.

has satisfactorily completed training in

National Highway Institute Course No. 13038
"Bridge Painting Inspection"
conducted by
Alabama Department of Transportation
FHwA, and S. G. Pinney & Associates Inc.

Location: Montgomery, Alabama Hours of instruction: 24 (PDH)

Date: Sept 27-30, 1993 Continuing Education Units: 2.4

Instructor

Coordinator

George M. Shrieves
Director, National Highway Institute

Federal Highway Administrator

National Highway Institute

Certificate of Training

Robbie Chambless

has participated in

FHWA-NHI-130091A Underwater Bridge Repair, Rehabilitation, And Countermeasures Course

hosted by

ALABAMA DEPARTMENT OF TRANSPORTATION

Date: January 28-29, 2010 Hours of Instruction: 12

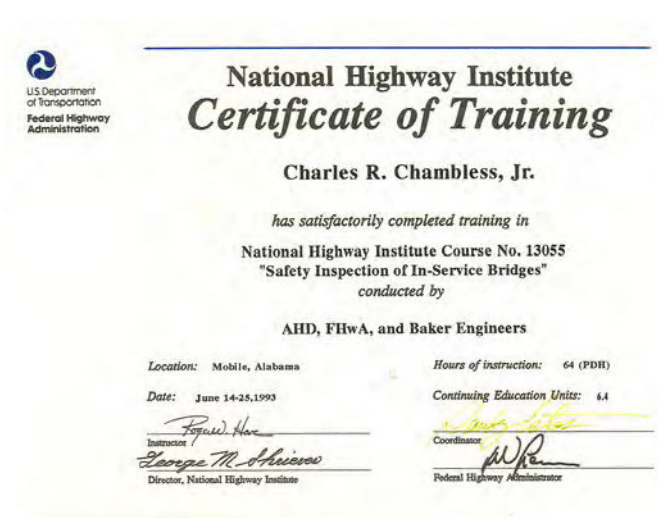
Location: Mobile, Alabama

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute



National Highway Institute

Certificate of Training

Charles R. Chambless, Jr.

has satisfactorily completed training in

National Highway Institute Course No. 13055
"Safety Inspection of In-Service Bridges"
conducted by

AHD, FHwA, and Baker Engineers

Location: Mobile, Alabama Hours of instruction: 64 (PDH)

Date: June 14-25,1993 Continuing Education Units: 6.4

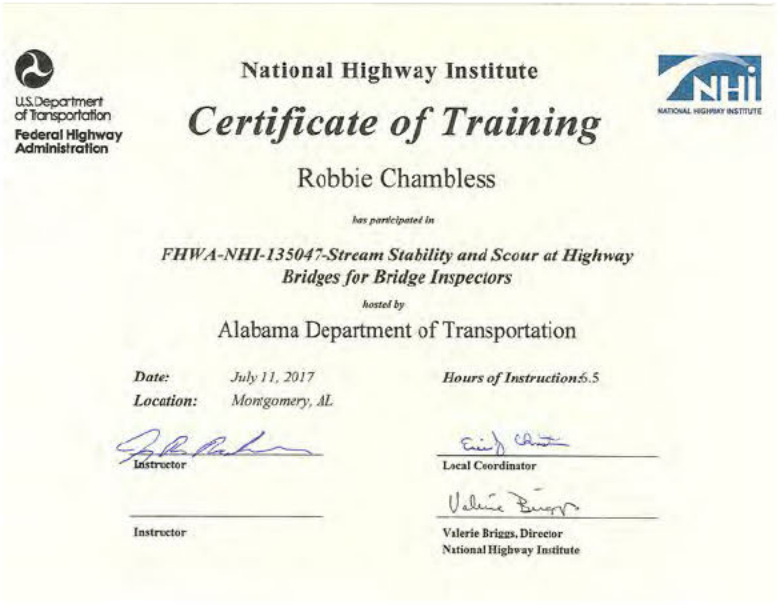
Instructor

Coordinator

George M. Shrieves
Director, National Highway Institute

Federal Highway Administrator

Robbie Chambless, CBI



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Robbie Chambless

has participated in

FHWA-NHI-135047-Stream Stability and Scour at Highway Bridges for Bridge Inspectors

hosted by

Alabama Department of Transportation

Date: *July 11, 2017* ***Hours of Instruction:*** *6.5*

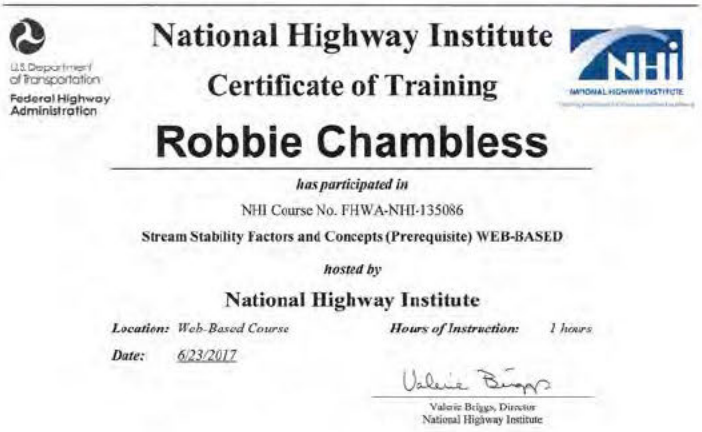
Location: *Montgomery, AL*

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Robbie Chambless

has participated in

NHI Course No. FHWA-NHI-135086

Stream Stability Factors and Concepts (Prerequisite) WEB-BASED

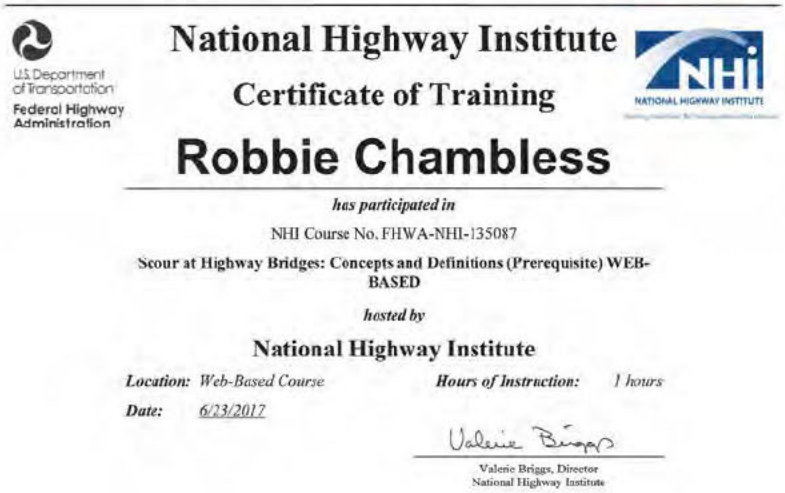
hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *1 hours*

Date: *6/23/2017*

Valerie Briggs, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Robbie Chambless

has participated in

NHI Course No. FHWA-NHI-135087

Scour at Highway Bridges: Concepts and Definitions (Prerequisite) WEB-BASED

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *1 hours*

Date: *6/23/2017*

Valerie Briggs, Director
National Highway Institute

Robbie Chambless, CBI

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training

Charles R. Chambless, Jr.

has satisfactorily completed training in

National Highway Institute Course
"Culvert Inspection"

conducted by

Alabama Department of Transportation
FHwA, and Reagan Engineering Associates

Location: **Montgomery, Alabama**

Date: **July 25-July 26, 1995**

Hours of instruction: **12 (PDH)**

Continuing Education Units: **1.2**

Instructor

Director, Special Strategic
National Highway Institute Initiatives

Coordinator

Federal Highway Administrator

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Robbie Chambless

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Texas Department of Transportation

Date: July 27-30 2021

Location: Virtual Delivery, TX

Hours of Instruction: 18

Digitally signed by Calvin A MacDougall P E
Date: 2021 08 24 13:15:40 0400

Instructor

Digitally signed by Mark Patrick Kane
DN: cn=Mark Patrick Kane, c=US, o=DOT, ou=Transportation email=pkane@gmail.com
Reason: I attest to the accuracy and integrity of this document

Instructor

Shandon Richardson

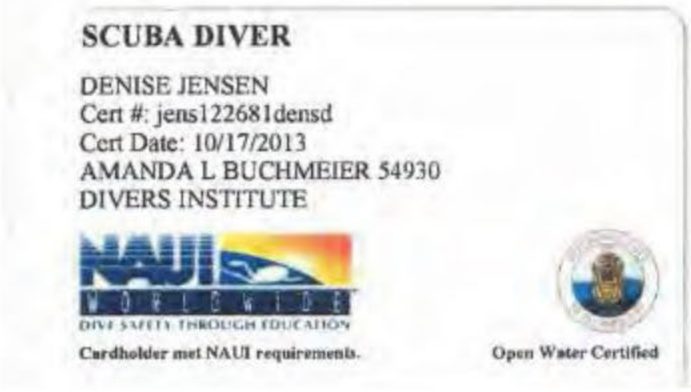
Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

Luke Chambless, ADCI

Denise Jensen, ADCI, CBI



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Denise Jensen

has participated in

FHWA-NHI-130087 Inspection and Maintenance of Ancillary Highway Structures

hosted by

Kisinger Campo & Associates Corp.

Date: *August 01-02, 2019* *Hours of Instruction:* 12

Location: *Tampa, FL*

Instructor

Instructor

Local Coordinator

Michael Davies, Director
National Highway Institute

DIVERS INSTITUTE OF TECHNOLOGY

The DIVERS INSTITUTE OF TECHNOLOGY
Presents this Diploma to

Denise R. Jensen

This 2nd *day of* December, 2013

Who has demonstrated the skill and proficiency with Surface Supplied Air and Helium Diving Equipment to be eligible for graduation as a Professional Commercial Diver.

EXECUTIVE DIRECTOR

DIRECTOR OF TRAINING

Seattle, Washington

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Denise Jensen

has participated in

FHWA-NHI-130055 Safety Inspection of In Service Bridges

hosted by

Florida Department of Transportation

Date: **April 27 - May 8, 2015** *Hours of Instruction:* **67**

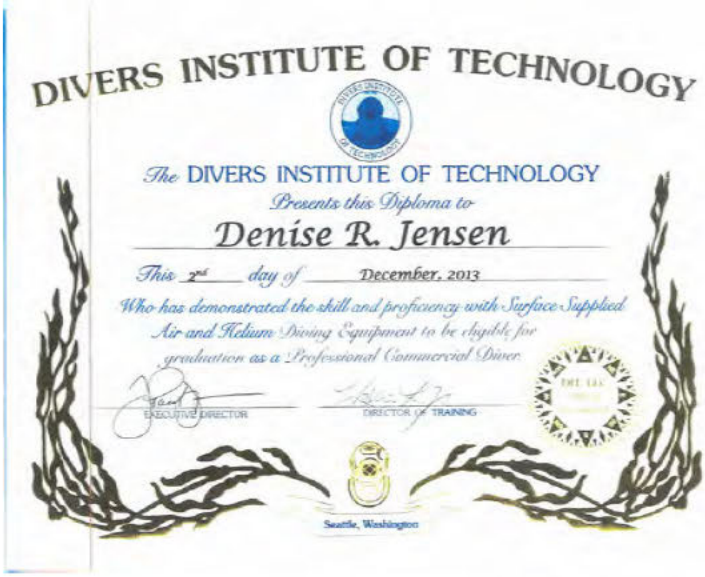
Location: **Tampa Florida**

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute



DIVERS INSTITUTE OF TECHNOLOGY

The DIVERS INSTITUTE OF TECHNOLOGY
Presents this Diploma to
Denise R. Jensen
This 2nd day of December, 2013
Who has demonstrated the skill and proficiency with Surface Supplied Air and Helium Diving Equipment to be eligible for graduation as a Professional Commercial Diver.

EXECUTIVE DIRECTOR
DIRECTOR OF TRAINING
Seattle, Washington

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Denise Jensen

has participated in

FHWA-NHI-130087 Inspection and Maintenance of Ancillary Highway Structures

hosted by

Kisinger Campo & Associates Corp.

Date: *August 01-02, 2019*
Location: *Tampa, FL*

Hours of Instruction: 12

Instructor
Instructor
Local Coordinator
Michael Davies, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Denise Jensen

has participated in

FHWA-NHI-130091 Undewater Bridge Inspection

hosted by

Crofton Diving Corporation

Date: *March 29-31, 2018*
Location: *Portsmouth, VA*

Hours of Instruction: 24

Instructor
Instructor
Local Coordinator
Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Denise Jensen

has participated in

FHWA-NHI-130055 Safety Inspection of In Service Bridges

hosted by

Florida Department of Transportation

Date: April 27 - May 8, 2015 *Hours of Instruction:* 67

Location: Tampa Florida

Instructor Richard Smith, P.E.

Local Coordinator Richard E. Barry, P.E.

Instructor Pat Martens, P.E.

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Denise Jensen

has participated in

FHWA-NHI-130091 Undewater Bridge Inspection

hosted by

Crofton Diving Corporation

Date: *March 29-31, 2018*

Location: *Portsmouth, VA*

*Hours of Instruction:*24

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

Wenatchee Valley College

Wenatchee, Washington

This Certifies That

Denise Rae Jensen

Has satisfactorily completed a Course of Study prescribed by the College and is hereby awarded the

Associate of Arts and Sciences Degree

Given in the month of March, two thousand four

Board Chairman

President

Hossein Ghara, PE, MBA

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

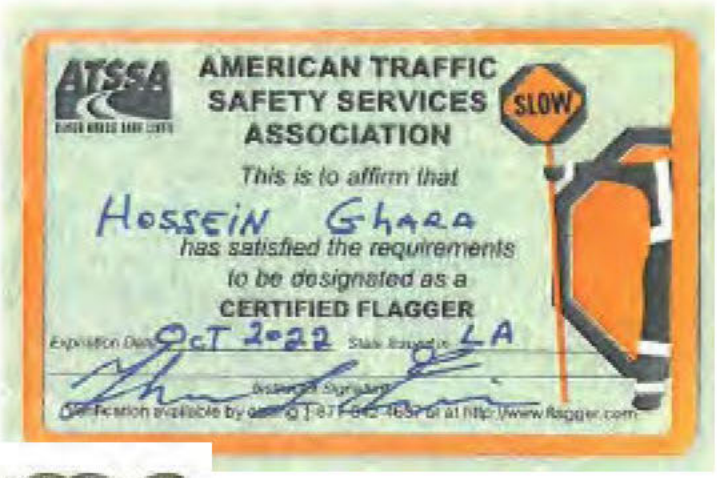
Mr. Hossein Ghara

License/Certificate Type - Number	Expiration Date
PE.0018899	03/31/2023

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to prac engineering or land surveying in the state of Louisiana to b by the Board prior to offering such services.



Jacob Parker, PE

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

Mr. Jacob Andrew Parker

License/Certificate Type - Number	Expiration Date
PE.0030596	09/30/2021

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to engineering or land surveying in the state of Louisian by the Board prior to offering such services.

Joseph Smith, PE

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

Mr. Joseph Thomas Smith

License/Certificate Type - Number	Expiration Date
PE.0010080	09/30/2022

Status: ACTIVE

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

U.S. Department Of Transportation
Federal Highway Administration

NHI

National Highway Institute

Certificate of Training

Joe Smith

has participated in

Pontis Bridge Management

hosted by

Kentucky Transportation Cabinet

Location: Frankfort, Kentucky *Hours of Instruction:* 16.5

Date: July 20-22, 2005

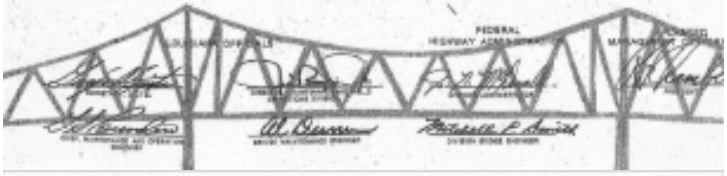
Department of Transportation and Development

GRANTS THIS CERTIFICATION AS A QUALIFIED BRIDGE INSPECTO

TO

Joseph T. Smith

FOR COMPLETION OF A COMPREHENSIVE BRIDGE INSPECTION TRAINING COURSE CONDUCTED BY THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT AND THE FEDERAL HIGHWAY ADMINISTRATION. THE COURSE WAS PRESENTED BY PLANNED MANAGEMENT CORPORATION IN BATON ROUGE, LOUISIANA FROM AUGUST 13, 1979, THROUGH AUGUST 31, 1979.



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Joe Smith

has participated in

NHI Course No. 130078 – Fracture Critical Inspection Techniques for Steel Bridges (3.5 days)

held by

LA DOTD/LTRC

Date: August 12-15, 2014 *Hours of Instruction:* 21

Location: Baton Rouge, LA

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

STATE OF LOUISIANA

Department of Transportation and Development

GRANTS THIS CERTIFICATE

TO

Joseph T. Smith

FOR COMPLETION OF A COMPREHENSIVE MOVABLE BRIDGE INSPECTION TRAINING COURSE CONDUCTED BY THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT AND THE FEDERAL HIGHWAY ADMINISTRATION. THE COURSE WAS PRESENTED BY PLANNED MANAGEMENT CORPORATION IN HOUMA, LOUISIANA, FROM

OCTOBER 5, 1981 THROUGH OCTOBER 9, 1981

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Certifies that JOE SMITH

has satisfactorily completed 36 hours of training in

PRACTICAL HIGHWAY BRIDGE INSPECTION

conducted by

NEW MEXICO STATE UNIVERSITY

MAY 7 – 11, 1984 — Date

BATON ROUGE, LOUISIANA — Location

Federal Highway Administrator — Director, National Highway Institute

Instructor — Coordinator

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Joe T. Smith

has participated in

FHWA-NHI-NHI-130053 Bridge Inspection Refresher

held by

Texas Department of Transportation

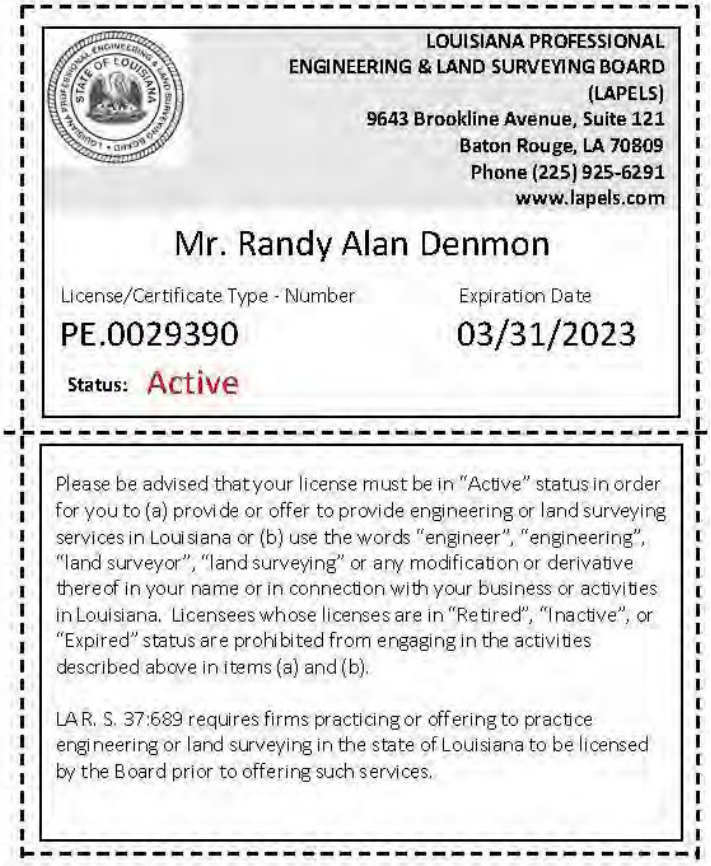
Date: April 3-5, 2018 *Hours of Instruction:* 18

Location: Austin, TX

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

Randy Denmon, PE, PLS



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

Mr. Randy Alan Denmon

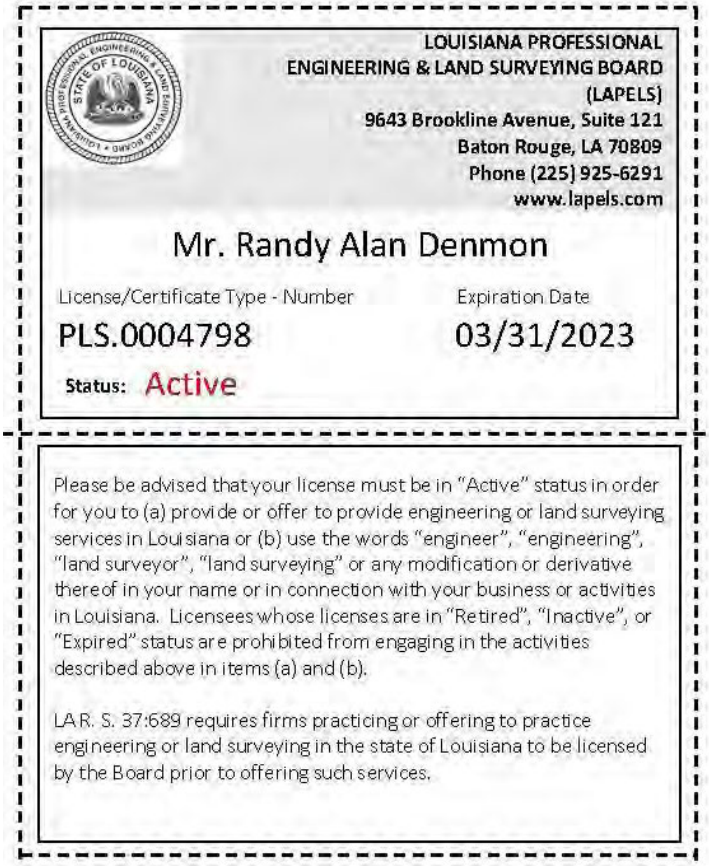
License/Certificate Type - Number: PE.0029390

Expiration Date: 03/31/2023

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.



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

Mr. Randy Alan Denmon

License/Certificate Type - Number: PLS.0004798

Expiration Date: 03/31/2023

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Dean Kidd, PE

MISSISSIPPI

Board of Licensure for Professional Engineers and Surveyors

Find Licensee
Contact Us

Licensee Details

Name: Mr.Dean William Kidd
Address: 111 Capitol St
Jackson MS 39201
County: Hinds
Phone: 662-292-7975
Employer: Volkert

License Type: Professional Engineer
License Number: 15146
Expires on: 12/31/2022

TENNESSEE DEPARTMENT OF TRANSPORTATION

MATERIALS AND TESTS DIVISION

This is to certify that

Dean Kidd

Has successfully completed the Department's Course in

ASPHALT ROADWAY CERTIFICATION

THE GREAT SEAL OF THE STATE OF TENNESSEE XVI AGRICULTURE COMMERCE 1796

Date: 06/05/2018 *Certificate No.* 4371

Expiration Date: 06/05/2023

Materials and Tests

Construction Division

DT-1691

Dean Kidd, PE

Technician No. 3672

cttp
Center for Training
Transportation Professionals

UNIVERSITY OF ARKANSAS
Expiration Date: 6/30/2022

Technician Training and Certification Program

This document asserts

Dean Kidd

Has successfully completed classroom and laboratory training on April 26, 2017 in

National Pollutant Discharge Elimination System

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

Instructor
Center for Training Transportation Professionals

Associate Director
Center for Training Transportation Professionals

TENNESSEE DEPARTMENT OF TRANSPORTATION

MATERIALS AND TESTS DIVISION

This is to certify that

Dean Kidd

Has successfully completed the Department's Course in

SOILS AND AGGREGATE CERTIFIED TECHNICIAN

THE GREAT SEAL OF THE STATE OF TENNESSEE XVI AGRICULTURE COMMERCE 1796

Date: 06/12/2018 Certificate No. 4371

Expiration Date: 06/12/2023

Materials and Tests

Construction Division

DT-1752

Todd Powell, CBI

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training
Todd Powell

has satisfactorily completed training in

Safety Inspection of In-Service Bridges

conducted by

Michael Baker Jr., Inc.

Location: Jacksonville Florida *Hours of instruction:* 80

Date: April 5-16, 1999 *Continuing Education Units:* 6.0

Alexander Cole P.E.
Instructor *Alexander Cole, P.E.*

Coordinator *Richard I. Kerr, P.E.*

Director
National Highway Institute

Federal Highway Administrator

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Todd Powell

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Office of State Aid Road Construction

Date: October 27-30, 2020 *Hours of Instruction:* 18

Location: Virtual Delivery, MS

Digitally signed by Calein A. MacDougall, P.E. Date: 2020.10.30 18:30:46 -04'00'

Instructor

Randall Leonard, P.E. Digitally signed by Randall Leonard, P.E. Date: 2020.10.30 12:51:21 -05'00'

Instructor

Marie Allbritton

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

NHI

National Highway Institute
Certificate of Training

TODD POWELL

has participated in

Underwater Bridge Inspection Course

hosted by

Naval Diving and Salvage Training Center

Location: Panama, City *Hours of instruction:* 24

Date: 5 October 2006

Instructor

Coordinator

Director, National Highway Institute
Federal Highway Administration

Director, Office of Professional Development
Federal Highway Administration

U.S. Department of Transportation
Federal Highway Administration

NHI

National Highway Institute
Certificate of Training

Todd Powell

has satisfactorily completed training in

Fracture Critical Inspection Techniques for Steel Bridges

conducted by

Michael Baker Jr., Inc.

Location: Tallahassee Florida *Hours of instruction:* 28

Date: May 13-16, 2002 *Continuing Education Units:* 2.1

Instructor William Aarhein, P.E. and Tom Ryan, P.E.

Coordinator Richard I. Kerr, P.E.

Director, National Highway Institute
Federal Highway Administration

Director, Office of Professional Development
Federal Highway Administration

ALABAMA DEPARTMENT OF TRANSPORTATION
THIS IS TO CERTIFY THAT
JEFFREY TODD POWELL
HAS SATISFACTORILY COMPLETED ALL REQUIREMENTS AND IS DULY AUTHORIZED TO SERVE AS BRIDGE INSPECTOR
ACBI NO. 629 DATE 04-20-2007
DIRECTOR

Alabama

ALABAMA DEPARTMENT OF TRANSPORTATION

Department of Transportation

Certifies that

Jeffrey Todd Powell

has satisfactorily completed all requirements
and is duly authorized to serve as

"Bridge Inspector"

ACBI NO. 629 DATE 04-20-2007

MAINTENANCE ENGINEER DIRECTOR

Certified Bridge Inspector

Whereas **Jeffrey Todd Powell** has shown competency and fitness to conduct bridge inspection as set forth in the National Bridge Inspection Standards and Florida Statute 335.074 Bridge Inspection Standards,

Therefore, under the authority granted by Chapter 14-48 Florida Administrative Code, the State of Florida Department of Transportation hereby issues this certificate numbered **00377** as provided by law and object to the powers of revocation vested in said Department on this **18th** day of **October 2001**, A.D.

BRIDGE MANAGEMENT INSPECTION ENGINEER

ENGINEER OF STRUCTURE MAINTENANCE

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Jeffrey Powell

has participated in

FHWA-NHI-130087
Inspection and Maintenance of Ancillary Highway Structures

hosted by

Volkert, Inc.

Date: *February 1-2, 2011*
Location: *Tampa, FL*

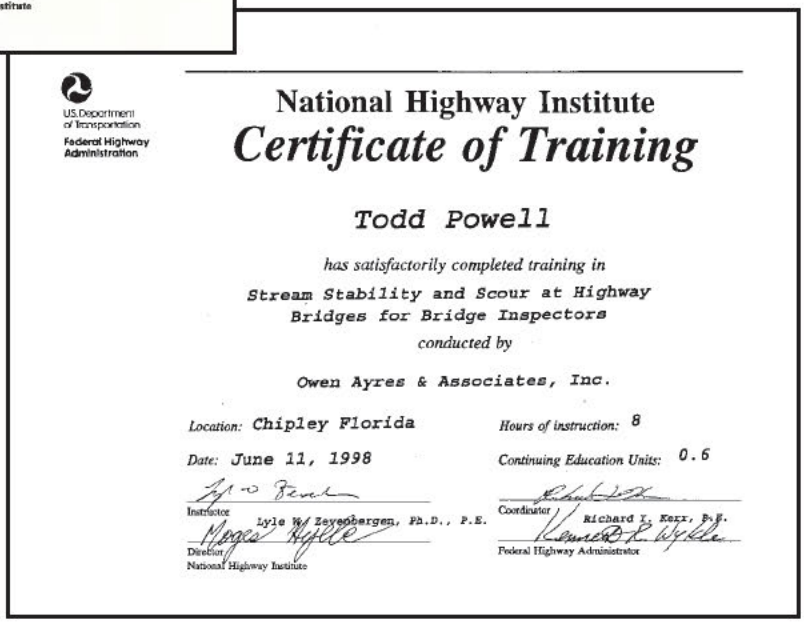
Hours of Instruction: 12

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute



U.S.Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training

Todd Powell

has satisfactorily completed training in

Stream Stability and Scour at Highway Bridges for Bridge Inspectors

conducted by

Owen Ayres & Associates, Inc.

Location: Chipley Florida
Date: June 11, 1998

Hours of instruction: 8
Continuing Education Units: 0.6

Instructor

Lyle W. Zevenbergen, Ph.D., P.E.

Director
National Highway Institute

Coordinator

Richard L. Kerr, P.E.

Federal Highway Administrator

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Todd Powell

has satisfactorily completed training in

Bridge Management - Inspection Session

conducted by

Michael Baker Jr., Inc.

Location: Chipley, Florida

Date: October 6, 1998

Hours of instruction: 8

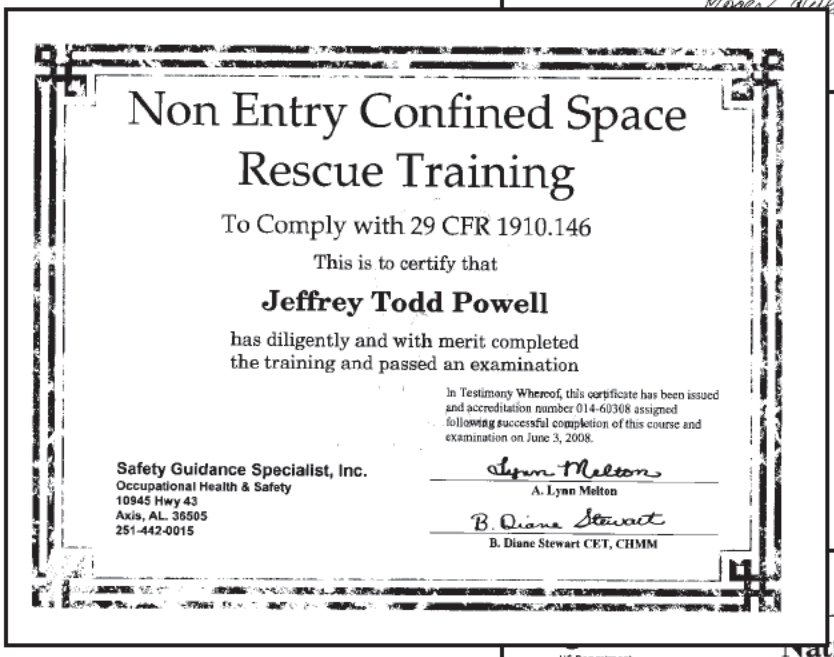
Continuing Education Units: 0.6

Instructor: Alexander Cole, P.E.

Director, National Highway Institute

Coordinator: Richard I. Kerr, P.E.

Federal Highway Administrator



Non Entry Confined Space Rescue Training

To Comply with 29 CFR 1910.146

This is to certify that

Jeffrey Todd Powell

has diligently and with merit completed the training and passed an examination

In Testimony Whereof, this certificate has been issued and accreditation number 014-60308 assigned following successful completion of this course and examination on June 3, 2008.

Safety Guidance Specialist, Inc.
Occupational Health & Safety
10945 Hwy 43
Axis, AL. 36505
251-442-0015

A. Lynn Melton

B. Diane Stewart CET, CHMM

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Todd Powell

has satisfactorily completed training in

Engineering Concepts for Bridge Inspectors

conducted by
Michael Baker., Inc.

Location: Jacksonville Florida

Date: February 8-12, 1999

Hours of instruction: 40

Continuing Education Units: 3.0

Instructor: Alexander Cole, P.E.

Director, National Highway Institute

Coordinator: Richard I. Kerr, P.E.

Federal Highway Administrator

CLICKSAFETY

TEMPORARY CERTIFICATE OF COMPLETION

This acknowledges that

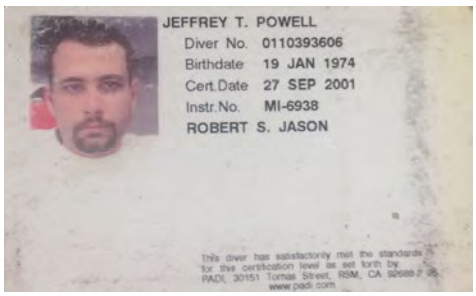
JEFFREY POWELL

Has successfully completed

OSHA 10 Hour Construction

The course was developed by ClickSafety.
Official OSHA completion card to follow within 6 weeks

Serial Number: 3592269 **Completed:** 12/30/2009



DAN

Oxygen First Aid for Scuba Diving Injuries

Todd Powell

Has fulfilled all of the educational and practical requirements for providing oxygen first aid and demonstrated skill and confidence as a **DAN Oxygen Provider.**

We, the undersigned, on the 23rd day of September 2003 endorse this certificate to be current and valid. Retraining is recommended every two years.

Bill Clendenen
Director of Training
Divers Alert Network

Dick Geyer

DAN Oxygen Instructor
Oxygen Instructor Number 572

Congratulations!
You've completed the course.
Now you're an official DAN Bubble Buster!

DAN

Oxygen First Aid for Scuba Diving Injuries
Todd Powell
09/23/03

FLORIDA KEYS COMMUNITY COLLEGE
5901 College Road Key West FL 33040

Diving Safety Program

Certifies that

Todd Powell

has successfully completed a course of instruction in

WORK DIVING SAFETY

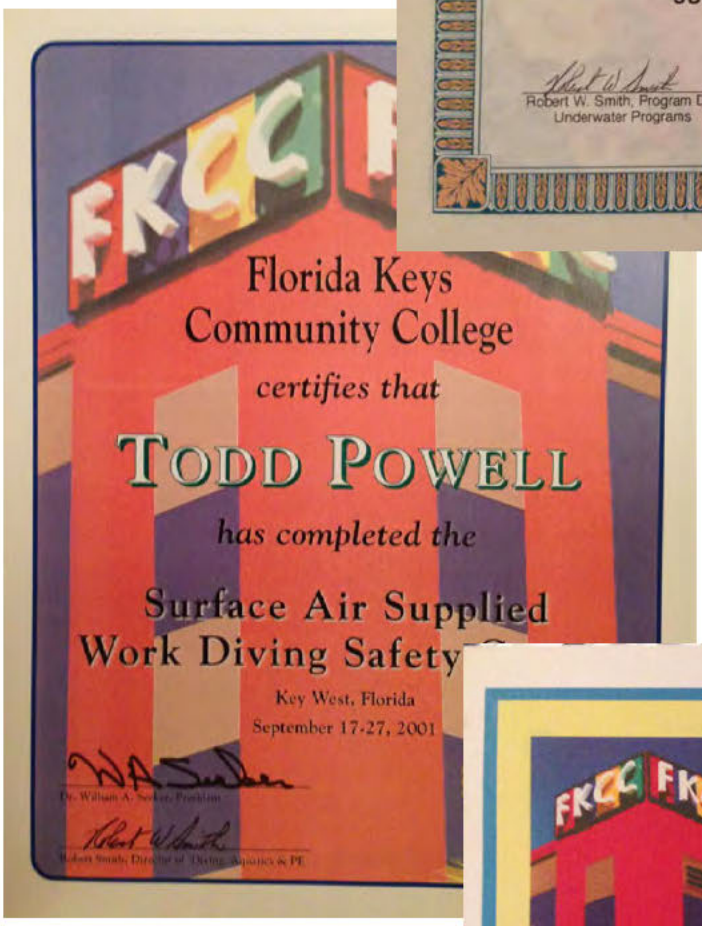
including

SURFACE AIR SUPPLIED DIVING

September 13 thru September 24, 1999

Robert W. Smith, Program Director
Underwater Programs

Mitchell A. Grabois, Dean of Instruction
Florida Keys Community College



Paul Swann, CBI

U.S. Department Of Transportation
Federal Highway Administration

NHI NATIONAL HIGHWAY INSTITUTE

National Highway Institute

Certificate of Training

Paul Swann

has participated in

Safety Inspection of In-Service Bridges

hosted by

ALABAMA DEPARTMENT OF TRANSPORTATION

Location: Montgomery, Alabama ***Hours of instruction: 72***

Date: October 16-27, 2006

Instructor

Coordinator

hway Institute
inistration

Director, Office of Professional Development
Federal Highway Administration

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Paul C. Swann

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Office of State Aid Road Construction

Date. October 27-30, 2020 *Hours of Instruction:* 18

Location: Virtual Delivery, MS

Digitally signed by Calvin A. MacDougall, P.E.
Date: 2020.10.30 18:20:29 -04'00'

Instructor

Marie Allbritton

Local Coordinator

Digitally signed by Randall Leonard, P.E.
Date: 2020.10.30 12:49:40 -05'00'

Instructor

Thomas Harman

Thomas Harman, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Paul Swann

has participated in

FHWA-NHI-130078

Fracture Critical Inspection Techniques for Steel Bridges

hosted by

Alabama Department of Transportation

Date: *July 22-25, 2014* ***Hours of Instruction:*** 21

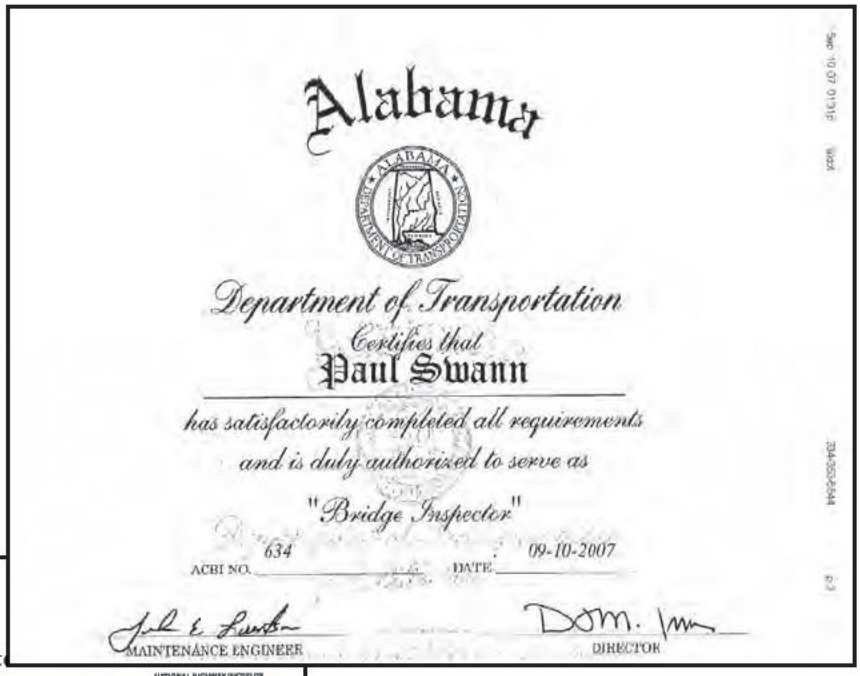
Location: *Guntersville, AL*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute



Alabama

Department of Transportation

Certifies that

Paul Swann

has satisfactorily completed all requirements and is duly authorized to serve as

"Bridge Inspector"

ACBI NO. 634 DATE 09-10-2007

MAINTENANCE ENGINEER

DIRECTOR

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Paul Swann

has participated in

FHWA-NHI-130087
Inspection and Maintenance of Ancillary Highway Structures

hosted by

Volkert, Inc.

Date: *February 1-2, 2011*
Location: *Tampa, FL*

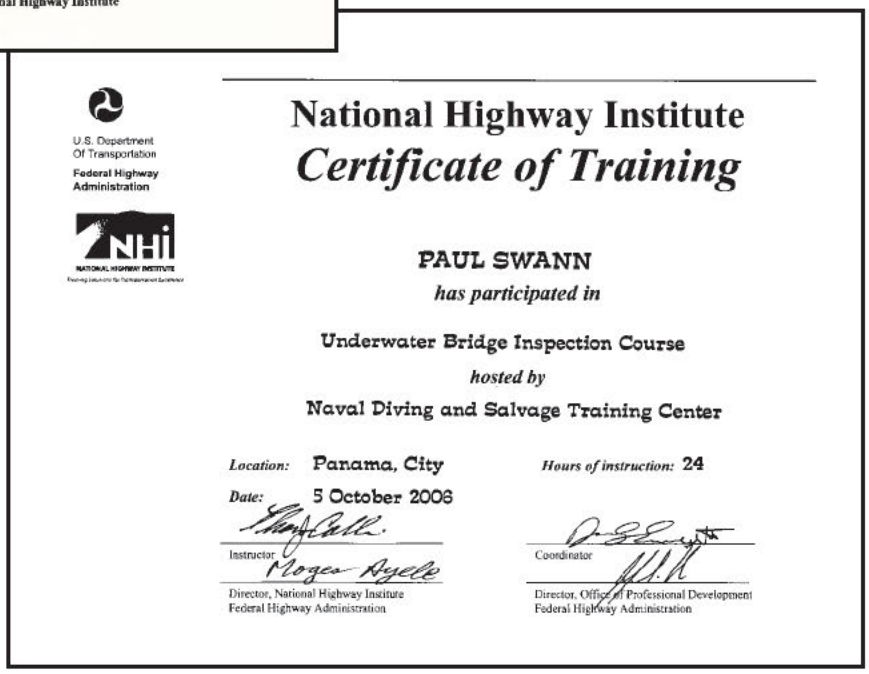
Hours of Instruction: 12

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute



U.S. Department Of Transportation
Federal Highway Administration

NHI
NATIONAL HIGHWAY INSTITUTE

National Highway Institute
Certificate of Training

PAUL SWANN
has participated in

Underwater Bridge Inspection Course
hosted by
Naval Diving and Salvage Training Center

Location: Panama, City
Date: 5 October 2006

Hours of instruction: 24

Instructor

Director, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional Development
Federal Highway Administration

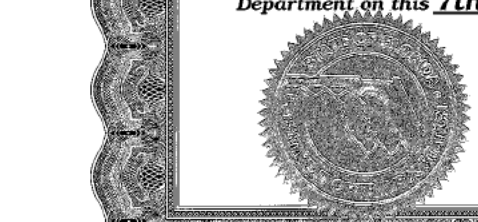
Certified Bridge Inspector

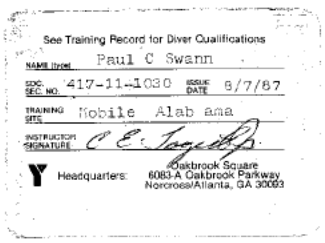
Whereas ***Paul Swann*** *has shown competency and fitness to conduct bridge inspection as set forth in the National Bridge Inspection Standards and Florida Statute 335.074 Bridge Inspection Standards,*

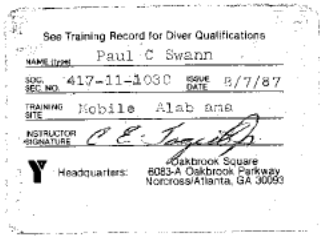
Therefore, under the authority granted by Chapter 14-48 Florida Administrative Code, the State of Florida Department of Transportation hereby issues this certificate numbered ***00440*** *as provided by law and object to the powers or revocation vested in said Department on this* ***7th*** *day of* ***May 2007,*** A.D.

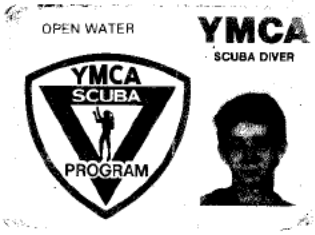
Richard A. Kerr
BRIDGE MANAGEMENT INSEPCTION ENGINEER

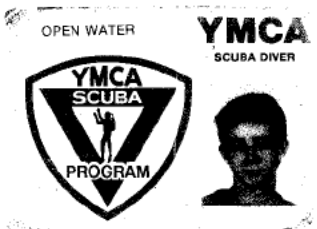
Jeffrey A. Poulotte
STATE STRUCTURES MAINTENANCE ENGINEER

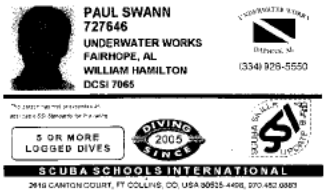












Certificate of Completion
Presented by

DENIZENS OF THE DEEP, DIVING COMPANY INC.

To

Paul Swann

Who has successfully completed a 24-hour class in
Surface Supplied Shallow Water Air Diving.
Learning the skill and requirements of topside tending and who has demonstrated underwater tasks in the KMB 10, KMB 18, DASCO HELMET, AGA and the NEPTUNE FACE MASK.

Given on this 29th day of October

Shawn Woodward
Instructor, DIT
Instructor, IDEA #2468
Instructor, PSDA #461

Shawn R. Woodward
President

Corey Boss, CBI

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Corey Boss

has participated in

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

hosted by

Alabama Department of Transportation

Date: *September 18-29, 2017*
Location: *Montgomery, AL*

Hours of Instruction: 67 hours

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institu

Certificate of Training

Corey Boss

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Volkert, Inc.

Date: *January 25-27, 2022*
Location: *Tampa, FL*

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

Elliott Coon, CBI

MISTRAS | ropeworks

This certifies that

Elliott Coon

has successfully completed a

Ropeworks

Industrial Rope Access

Course designed to prepare candidates for Evaluation by the Society of Professional Rope Access Technicians.

SPRAT

Course Completion: November 15, 2018

Length: 32+ Hours

Signed:

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

ELLIOTT COON

has participated in

FHWA-NHI-130078 FRACTURE CRITICAL INSPECTION TECHNIQUES FOR STEEL BRIDGES

hosted by

Ayres Associates

Date: *April 25-28, 2017*
Location: *Tampa, FL*

Hours of Instruction: 25

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

This certifies that

Elliott Coon

Has successfully completed

National Bridge Element Training

DOT Course PE-07-0003
FBPE Course 0009423

by

Florida Department of Transportation

Presented October 7-8, 2014
Hosted by Volkert, Inc.
In Tampa, Florida
And has Qualified for 14 PDH Credits

John Clark, P.E

Richard I. Kerr, P.E

COLLEGE OF OCEANEERING

WORLD PORT LOS ANGELES

Technical Certificate

This is to certify that

Elliott Coon

has successfully completed the educational curriculum, maintained the required attendance, and demonstrated a technical proficiency to be qualified for recognition as a

Commercial Diver
with a specialty in
Nondestructive Testing Technology

This program consists of basic Commercial Diving courses and advanced training in the technology of Nondestructive Testing in accordance with A.S.N.T.'s instruction SNT-TC-1A and Canadian Standard 48.9712 as per I.S.O. 9000 series in the following areas: Ultrasonics (shearwave), Magnetic Particle, Dye Penetrant, and Visual. The holder of this certificate is qualified for entry level work as a commercial diver on underwater contracts in harbors, rivers, lakes and offshore projects, specializing in Underwater Inspections, as well as various Non Destructive Testing industries such as, Construction, Aerospace, and Petroleum.

Given this 27th day of June, 2002

Ella Jean Morgan, M.A., Dean of Education

Nicholas A. Frongale, Ed.D., President

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Elliott Coon

has participated in

FHWA-NHI-130087 Inspection and Maintenance of Ancillary Highway Structures

hosted by

Kisinger Campo & Associates Corp.

Date: *August 01-02, 2019*
Location: *Tampa, FL*

Hours of Instruction: 12

Instructor

Instructor

Local Coordinator

Michael Davies, Director
National Highway Institute

Anthony Bibelhauser, CBI

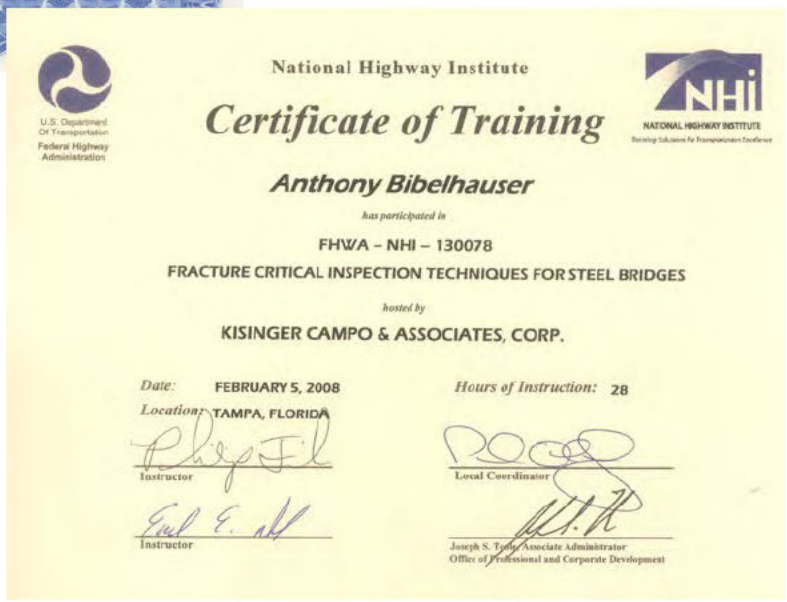
Certified Bridge Inspector

Whereas **Anthony Bibelhauser** has shown competency and fitness to conduct bridge inspection as set forth in the National Bridge Inspection Standards and Florida Statute 335.074 Bridge Inspection Standards,

Therefore, under the authority granted by Chapter 14-48 Florida Administrative Code, the State of Florida Department of Transportation hereby issues this certificate numbered **00359** as provided by law and object to the powers of revocation vested in said Department on this **19th** day of **May 2000**, A.D.

BRIDGE MANAGEMENT INSPECTION ENGINEER

ENGINEER OF STRUCTURE MAINTENANCE



U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Anthony Bibelhauser

has participated in

FHWA – NHI – 130078

FRACTURE CRITICAL INSPECTION TECHNIQUES FOR STEEL BRIDGES

hosted by

KISINGER CAMPO & ASSOCIATES, CORP.

Date: FEBRUARY 5, 2008

Location: TAMPA, FLORIDA

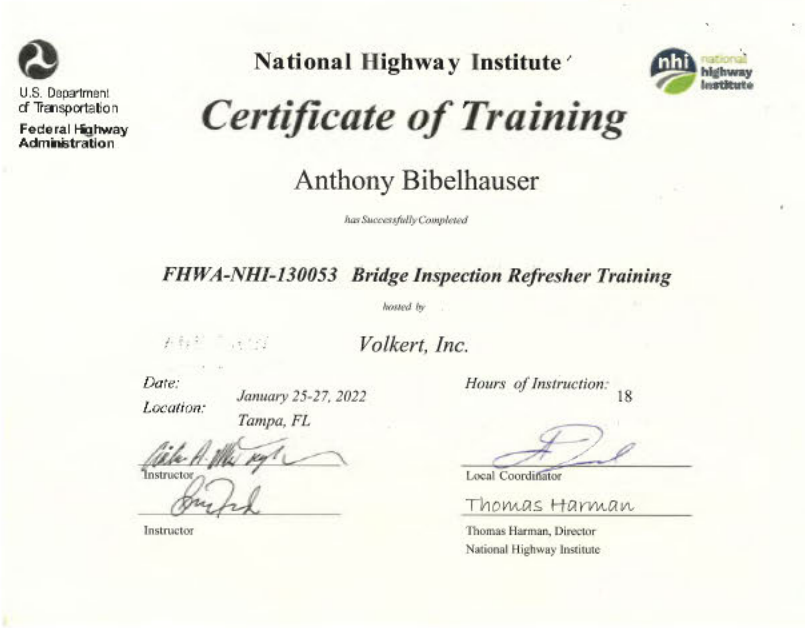
Hours of Instruction: 28

Instructor

Instructor

Local Coordinator

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



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Anthony Bibelhauser

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Volkert, Inc.

Date: January 25-27, 2022

Location: Tampa, FL

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training

Anthony Bibelhauser

has satisfactorily completed training in

Safety Inspection of In-Service Bridges

conducted by

Michael Baker Jr., Inc.

Location: Deerfield Beach, Florida

Date: 2-13 August 1999

Hours of instruction: 80

Continuing Education Units: 0.0

Instructor

Director
National Highway Institute

Coordinator

Federal Highway Administrator

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training

Anthony Bibelhauser

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

Volkert, Inc.

Date: *January 23-27, 2017*

Location: *Mobile, AL*

Hours of Instruction: 32

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training

Anthony Bibelhauser

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Volkert, Inc.

Date: *January 25-27, 2022*

Location: *Tampa, FL*

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Anthony T Bibelhauser

has participated in

FHWA-NHI-130087
Inspection and Maintenance of Ancillary Highway Structures

hosted by

Volkert, Inc.

Date: *November 3-4, 2010*
Location: *Tampa, FL*

Hours of Instruction: 12

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

FDOT

This Certifies that
ANTHONY BIBELHAUSER

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

Date Expires: 12/12/2024 **Certificate #** 68303
Instructor: Larry D. Riley **FDOT Provider #** 176

Access Safety Compliance Training
Phone: 561-350-8913
11481 SW Rossano Ln.
Port Saint Lucie , FL 34987
www.asctraininginc.com
larry@asctraininginc.com

ACCESS SAFETY COMPLIANCE TRAINING

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Anthony Bibelhauser

has participated in

130053A

Bridge Inspection Refresher Course

hosted by

Kissinger Campo & Associates

Date: 08/21/2007
Location: Tampa, FL

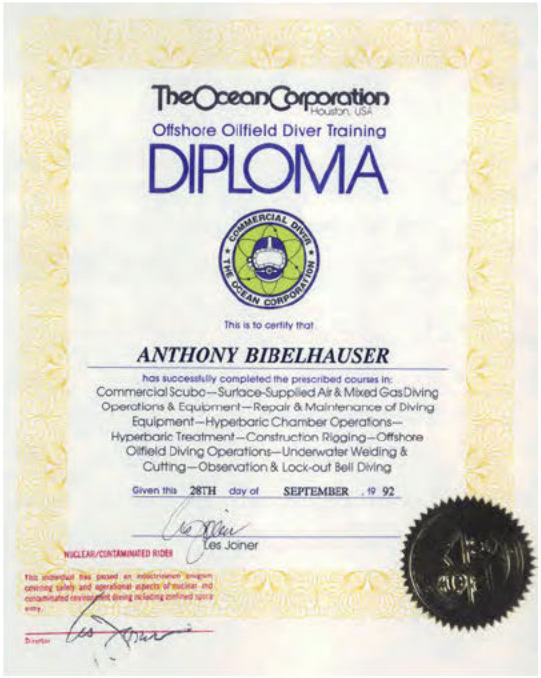
Hours of Instruction: 24

Sean O. Patrick
Instructor

Instructor

Local Coordinator

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



The Ocean Corporation
Houston, USA

Offshore Oilfield Diver Training

DIPLOMA

This is to certify that

ANTHONY BIBELHAUSER

has successfully completed the prescribed courses in:
Commercial Scuba—Surface-Supplied Air & Mixed Gas Diving Operations & Equipment—Repair & Maintenance of Diving Equipment—Hyperbaric Chamber Operations—Hyperbaric Treatment—Construction Rigging—Offshore Oilfield Diving Operations—Underwater Welding & Cutting—Observation & Lock-out Bell Diving

Given this 28TH day of SEPTEMBER , 19 92

Les Joiner

NUCLEAR/CONTAMINATED RIDER

This diploma has passed an indoctrination program covering safety and operational aspects of nuclear and contaminated environment diving including confined space entry.

Director

This certifies that

Anthony Bibelhauser

Has successfully completed

National Bridge Element Training

DOT Course PE-07-0003
FBPE Course 0009423

by

Florida Department of Transportation

Presented October 7-8, 2014
Hosted by Volkert, Inc.
In Tampa, Florida
And has Qualified for 14 PDH Credits

John Clark, P.E. — Richard T. Kerr, P.E.

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Anthony Bibelhauser

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by
Ayres Associates Inc.

Date: *July 7-9, 2015*
Location: *Tampa, FL*

Hours of Instruction: 18

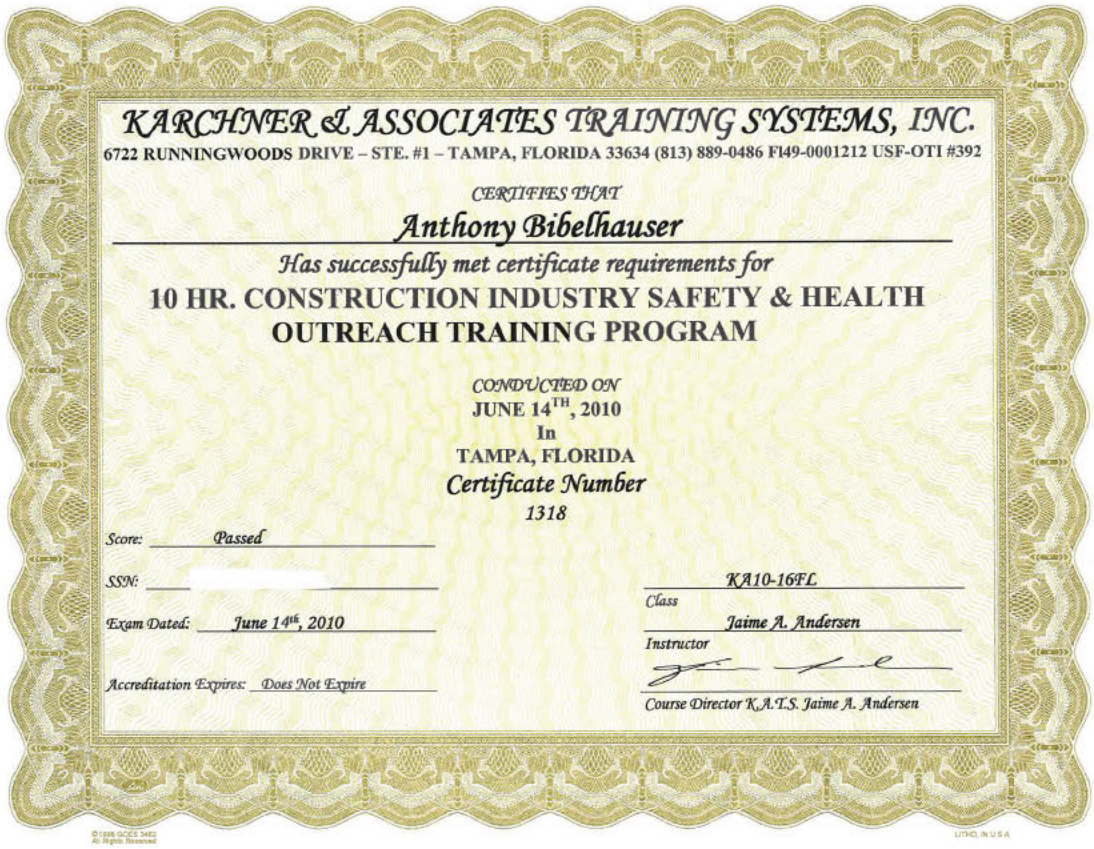
Instructor

Instructor

Local Coordinator

Valerie Briggs

Valerie Briggs, Director
National Highway Institute



KARCHNER & ASSOCIATES TRAINING SYSTEMS, INC.

6722 RUNNINGWOODS DRIVE – STE. #1 – TAMPA, FLORIDA 33634 (813) 889-0486 FI49-0001212 USF-OTI #392

CERTIFIES THAT

Anthony Bibelhauser

Has successfully met certificate requirements for

10 HR. CONSTRUCTION INDUSTRY SAFETY & HEALTH OUTREACH TRAINING PROGRAM

CONDUCTED ON
JUNE 14TH, 2010
In
TAMPA, FLORIDA
Certificate Number
1318

Score: Passed

SSN: [redacted]

Exam Dated: June 14th, 2010

Accreditation Expires: Does Not Expire

KA10-16FL
Class

Jaime A. Andersen
Instructor

Course Director K.A.T.S. Jaime A. Andersen

LITHO, IN U.S.A.

Certificate of Completion

ANTHONY BIBELHAUSER

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

12/12/2024	176	Larry D. Riley	68303
Date Expires	FDOT Provider #	Instructor	Certificate #

ACCESS SAFETY COMPLIANCE TRAINING

Access Safety Compliance Training
11481 SW Rossano Ln.
Port Saint Lucie , FL 34987
www.asctraininginc.com
larry@asctraininginc.com

FDOT

For more information about Temporary Traffic Control (TTC) or to verify this certificate
www.motadmin.com

Ken Powers, PE

BELS ALABAMA BOARD FOR ENGINEERS & LAND SURVEYORS (https://bels.alabama.gov/)

Login (/Account/Login)

Credential Verification

To verify credentials, please enter any part of the practitioners First Name and/or Last Name and click "Search".

Expand the arrow next to the practitioner's name in order to see additional information such as roster designations or disciplinary actions.

Click here (https://bels.learningbuilder.com/Content/client_assets/BELS/BELS_Individuals.xlsx)to download a full roster of individual practitioners (current as of 1AM current day).

First Name/Last Name : Kenneth Powers — Results Contain

Credential Number (License Number or Intern Certificate number : — Results Contain

Credential : All

Roster Designation : All

State : All

Zip Code : — Results Contain

City : All

Country : All

Clear Search

Showing Records 1 to 1 of 1

Member Name (/Public/MemberSearch/Verification?model.MemberName=Kenneth+Powers&SearchAliases=false&model.UniqueId=&model.Role=&attr.Roster+Designation=&model.State=&model.MailCode=&model.City=&model.Country=&p

KENNETH POWERS

City	BIRMINGHAM
State	AL
Disciplinary Action	No
Link to Disciplinary Action	
Roster Designation	

Ray Miller, PE

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

Mr. Raymond Wade Miller Jr.

License/Certificate Type - Number	Expiration Date
PE.0034526	09/30/2023

Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LAR. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

State of Alabama

State Board of Licensure for Professional Engineers & Land Surveyors

This is to certify that

RAYMOND WADE MILLER, JR.

having given satisfactory evidence of the necessary qualifications required by the laws of the State of Alabama has been duly licensed and is hereby authorized to practice

Professional Engineering

in the State of Alabama

In testimony whereof witness the signature of the Chair and Secretary under seal of the board

the 14th *day of* June 2002

License No. 25108

Veston W. Bush, Jr., Chair

Thomas F. Talbot, Secretary

BELS
ALABAMA BOARD FOR ENGINEERS & LAND SURVEYORS (https://bels.alabama.gov/)

Login (/Account/Login)

Credential Verification

To verify credentials, please enter any part of the practitioners First Name and/or Last Name and click "Search".

Expand the arrow next to the practitioner's name in order to see additional information such as roster designations or disciplinary actions.

Click here (https://bels.learningbuilder.com/Content/client_assets/BELS/BELS_Individuals.xlsx) to download a full roster of individual practitioners (current as of 1AM current day).

First Name/Last Name : Raymond Miller — Results Contain

Credential Number (License Number or Intern Certificate number) : — Results Contain

Credential : All

Roster Designation : All

State : All

Zip Code : — Results Contain

City : All

Country : All

Clear | Search

Showing Records 1 to 1 of 1

Member Name (/Public/MemberSearch/Verification?model.MemberName=Raymond+Miller&SearchAliase=false&model.UniqueId=&model.Role=&attrRoster+Designation=&model.State=&model.MailCode=&model.City=&model.Country=&pa

▼ RAYMOND MILLER

City	SPANISH FORT
State	AL
Disciplinary Action	No
Link to Disciplinary Action	
Roster Designation	

STATE OF ALABAMA
BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS

Amount Paid: $ 40.00

Date: 12/11/2009

Receipt No: 20091211000001996

RAYMOND WADE MILLER JR
8294 WEATHERFORD COURT
SPANISH FORT AL 36527

№ 08425

Chair Secretary
Bus. Affil: VOLKERT & ASSOCIATES, INC.
PDH Carried Forward: 15
Year SOP Course Required:
License No. 25108 ACTIVE
PROFESSIONAL ENGINEER
Who Certificate Expires Until December 31, 2010

STATE OF ALABAMA
BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS
Is duly licensed as a
PROFESSIONAL ENGINEER
Who Certificate Expires Until December 31, 2010

COLLINS ENGINEERING

Michael Seal

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Michael A. Seal

has satisfactorily completed training in

SAFETY INSPECTION OF IN-SERVICE BRIDGES

conducted by

MICHAEL BAKER JR., INC.

Location: Salem, Oregon

Date: April 15-26, 2002

Hours of instruction: 80

Continuing Education Units: 6.0

Instructor

Director, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional Development
Federal Highway Administration

FHWA-NHI Course 130053 - Bridge Inspection Refresher Training

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Michael Seal

has participated in

Bridge Safety Inspection Refresher Training

hosted by

Oregon Department of Transportation

Date: January 23 through January 25, 2018

Location: Salem, Oregon

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

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

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Michael Seal

has participated in

NHI Course No. 130078

Fracture Critical Inspection Techniques for Steel Bridges

hosted by

National Highway Institute

Location: Allentown, PA

Date: 07/15-18/2003

Hours of Instruction: 2.1

Richard J. Barnaby, Director
National Highway Institute

SPRAT Rope Access

SOCIETY OF PROFESSIONAL
ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

MICHAEL SEAL

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 #080312

AWARDED: February 08, 2019
Expires: February 8, 2022

ROBERT DUNSHEA, EVALUATIONS COMMITTEE CHAIR

WILLIAM McCORK (TROLL), SPRAT PRESIDENT

©2012 - Present, Society of Professional Rope Access Technicians

Drew Garceau

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

U.S.Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

Drew Garceau

has participated in

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

hosted by

Collins Engineers, Inc.

Date: August 10-21, 2015
Location: Chicago, IL

Hours of Instruction: 67 Hours

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

FHWA-NHI Course 130053 - Bridge Inspection Refresher Training

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

Drew Garceau

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Collins Engineers, Inc.

Date: February 18-20, 2020
Location: Chicago, IL

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Michael Davies, P.E.
Director, National Highway Institute

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

National Highway Institute

Certificate of Training

Drew Garceau

has participated in

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

hosted by

Collins Engineers, Inc.

Date: February 14-17, 2012 *Hours of Instruction:* 25

Location: Schaumburg, Illinois

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

FHWA-NHI Course 130091 - Underwater Bridge Inspection

National Highway Institute

Certificate of Training

Drew R. Garceau

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

Collins Engineers, Inc.

Date: March 1-4, 2013 *Hours of Instruction:* 24

Location: Chicago, IL

Instructor

Instructor BRIAN P. DILWORTH

Local Coordinator

Richard Barnaby, Director
National Highway Institute

FHWA-NHI Course 133117 – Maintenance of Traffic for Supervisors

National Highway Institute

Certificate of Training

Garceau Drew

has participated in

NHI Course No. FHWA-NHI-133117

Maintenance of Traffic for Supervisors - WEB BASED

hosted by

National Highway Institute

Location: Web-Based Course *Hours of Instruction:* 5 hours

Date: 1/25/2017

Valerie Briggs, Director
National Highway Institute

SPRAT Rope Access

SPRAT®
Society of Professional Rope Access Technicians

To: SPRAT Certified Rope Access Technician

Congratulations on successfully completing certification testing under SPRAT standards!

Adhered to this letter you will find your secure ID card with designated level of certification, date of certification and expiration. A copy of your certificate of certification can be downloaded from your online account within the association's website interface. Instructions for accessing your account have been emailed to you. If you have trouble accessing your account or have any questions about your certification materials please contact the SPRAT Office at certification@sprat.org.

As a reminder, as a certified technician you should adhere to the current version of the Society's consensus safety standard, *Safe Practices for Rope Access Work* and ensure your certification remains up to date based on the expiration listed. Current versions of our standards and supplementary documentation can be found on SPRAT's website at www.sprat.org/publications/.

Once again, congratulations on your certification!

- The SPRAT Office

SPRAT ROPE ACCESS TECHNICIAN
LEVEL: III

Drew Garceau

Milwaukee, WI
USA

SPRAT Cert. # 080293
Certification Date: 14 MAY 2021
Renewal Date: 14 MAY 2024

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

Certified Welding Inspector (CWI)

AWS American Welding Society®

Certifies that Welding Inspector

Drew Garceau

has complied with the requirements of AWS QC1,
Standard for AWS Certification of Welding Inspectors

10040033
CERTIFICATE NUMBER

April 01, 2022
EXPIRATION DATE

AWS PRESIDENT

AWS QUALIFICATION & CERTIFICATION COMMITTEE CHAIR

NDT Level II – Ultrasonic Testing

COLLINS ENGINEERS

COLLINS ENGINEERS, INC.

Certifies that

Drew R. Garceau

Has successfully completed training as a Non-Destructive Testing Limited Level II Technician in the following disciplines:

Ultrasonic Testing (UT)	**8.00 PDH**
Magnetic Particle Testing (MT)	**4.00 PDH**
Dye Penetrant Testing (PT)	**4.00 PDH**

February 23-24th, 2011

Daniel G. Cecchi, Executive Vice President

Chris Thrift

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

C. Chris Thrift

has satisfactorily completed training in

Safety Inspection of In-Service Bridges

NHI Course No. 130055

conducted by

Michael Baker Jr., Inc.

Location: Virginia Department of Transportation, Richmond, Virginia
Hours of instruction: 80
Date: June 16-27, 2003
Continuing Education Units: 6.0

Instructor
Coordinator
Director, National Highway Institute, Federal Highway Administration
Director, Office of Professional Development, Federal Highway Administration

FHWA-NHI Course 130053 - Bridge Inspection Refresher Training

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Chris Thrift

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Volkert, Inc.

Date: January 25-27, 2022
Location: Tampa, FL
Hours of Instruction: 18

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

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

National Highway Institute

Certificate of Training

Chris Thrift

has participated in

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

hosted by

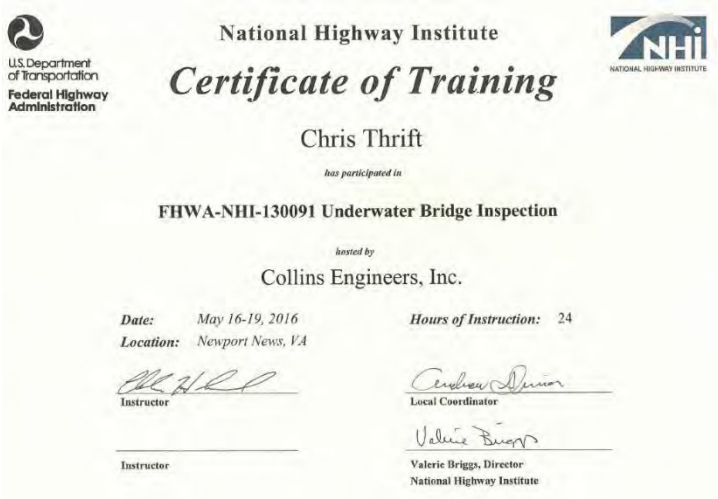
Clark ♦ Nexsen Architecture & Engineering

Date: December 1-4, 2009
Location: Norfolk, VA

Hours of Instruction: 21 hours

Instructor
Instructor
Local Coordinator
Richard Barnaby, Director
National Highway Institute

FHWA-NHI Course 130091 - Underwater Bridge Inspection



National Highway Institute

Certificate of Training

Chris Thrift

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

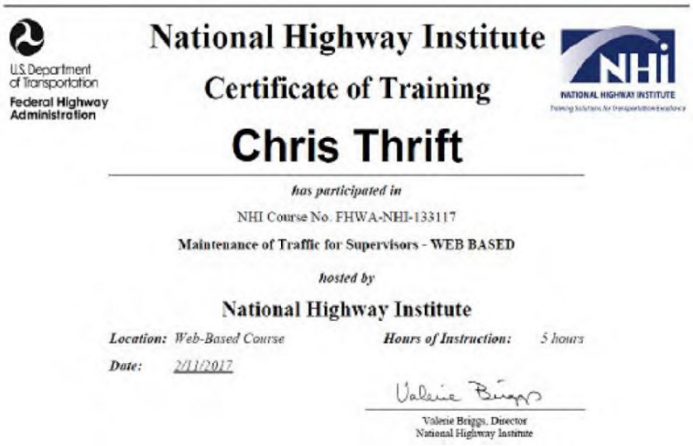
Collins Engineers, Inc.

Date: May 16-19, 2016
Location: Newport News, VA

Hours of Instruction: 24

Instructor
Instructor
Local Coordinator
Valerie Briggs, Director
National Highway Institute

FHWA-NHI Course 133117 – Maintenance of Traffic for Supervisors



National Highway Institute

Certificate of Training

Chris Thrift

has participated in

NHI Course No. FHWA-NHI-133117

Maintenance of Traffic for Supervisors - WEB BASED

hosted by

National Highway Institute

Location: Web-Based Course
Date: 2/11/2017

Hours of Instruction: 5 hours

Valerie Briggs, Director
National Highway Institute

SPRAT Rope Access

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Society of Professional Rope Access Technicians

Acknowledges that

CHRIS THRIFT

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 # 100162

AWARDED: February 12, 2021

Expires: February 12, 2024

TROLL, EVALUATIONS COMMITTEE CHAIR

TOM WOOD, SPRAT PRESIDENT

Barritt Lovelace

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

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Barritt Lovelace

has participated in

SAFETY INSPECTION OF IN-SERVICE BRIDGES

hosted by

Minnesota Department of Transportation

Date: **March 09 - 20, 2009** ***Hours of Instruction:*** **60**

Location: **Mn/DOT Training & Conference Center**

Instructor **William Gedris, P.E.**

Local Coordinator

Instructor **James Gundry, P.E.**

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

FHWA-NHI Course 130053 - Bridge Inspection Refresher Training

U.S.Department of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Barritt Lovelace

has participated in

FHWA-NHI-130053
Bridges Inspection Refresher Training

hosted by

Collins Engineers, Inc.

Date: **June 19-21, 2018** ***Hours of Instruction:*** **18 Hours**

Location: **Chicago, IL**

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

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

National Highway Institute

Certificate of Training

Barritt Lovelace

has participated in

NHI: Fracture Critical Inspection Techniques for Steel Bridges

hosted by

Minnesota Department of Transportation

Date: **December 6 - 9, 2010** *Hours of Instruction:* 28

Location: **Mn/DOT Training & Conference Center**

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

FHWA-NHI Course 130091 - Underwater Bridge Inspection

National Highway Institute

Certificate of Training

Barritt Lovelace

has participated in

FHWA-NHI-130091 Underwater Bridge Inspections

hosted by

Ayres Associates Inc

Date: *May 7-10, 2012* *Hours of Instruction:* 24

Location: *Madison, WI*

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

SPRAT Rope Access

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

BARRITT LOVELACE

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 #141489

WARDED: March 09, 2018
Expires: March 9, 2021

ROBERT DUNSHEA, EVALUATIONS COMMITTEE CHAIR

WILLIAM McCOOK (TROLL), SPRAT PRESIDENT

2012 - Present: Society of Professional Rope Access Technicians

SPRAT
Society of Professional Rope Access Technicians

May 07, 2018

Barritt Lovelace
314 Saratoga St South
Saint Paul, MN 55105
USA

Dear Barritt:

Congratulations! You have successfully completed certification testing for Level I Rope Access Technician and are here 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 f re-certification testing.

Sincerely,

Charley Ranken , Evaluations Committee Chair

William McCook (Troll), SPRAT President

UAS Part 107 Pilot

Jon Wittrock

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Jon Wittrock

has participated in

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

hosted by

Collins Engineers, Inc.

Date: August 10-21, 2015
Location: Chicago, IL

Hours of Instruction: 67 Hours

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

FHWA-NHI Course 130053 - Bridge Inspection Refresher Training

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Jon Wittrock

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Collins Engineers, Inc.

Date: February 18-20, 2020
Location: Chicago, IL

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Michael Davies, P.E.
Director, National Highway Institute

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

National Highway Institute

Certificate of Training

Jon Wittrock

has participated in

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

hosted by

Collins Engineers, Inc.

Date: February 14-17, 2012 *Hours of Instruction:* 25

Location: Schaumburg, Illinois

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

FHWA-NHI Course 130091 - Underwater Bridge Inspection

National Highway Institute

Certificate of Training

Jon M. Wittrock

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

Collins Engineers, Inc.

Date: March 1-4, 2013 *Hours of Instruction:* 24

Location: Chicago, IL

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

FHWA-NHI Course 133117 – Maintenance of Traffic for Supervisors

National Highway Institute

Certificate of Training

Jon Wittrock

has participated in

NHI Course No. FHWA-NHI-133117

Maintenance of Traffic for Supervisors - WEB BASED

hosted by

National Highway Institute

Location: Web-Based Course *Hours of Instruction:* 5 hours

Date: 1/25/2017

Valerie Briggs, Director
National Highway Institute

SPRAT Rope Access

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that

JON MICHAEL WITTROCK

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 #130186

AWARDED: January 25, 2019
Expires: February 19, 2022

ROBERT DUNSHEA, EVALUATIONS COMMITTEE CHAIR

WILLIAM McCOOK (TROLL), SPRAT PRESIDENT

SPRAT

ROPE ACCESS TECHNICIAN

Level: I

Jon Michael Wittrock
Brookfield, WI
USA

SPRAT Cert. # 130186
Certification Date: 25 JAN 2019
Renewal Date: 19 FEB 2022

Certified Welding Inspector (CWI)

AWS American Welding Society®

Certifies that Welding Inspector

Jon Wittrock

has complied with the requirements of AWS QC1, Standard for AWS Certification of Welding Inspectors

14041471
CERTIFICATE NUMBER

Apr/01/2023
EXPIRATION DATE

AWS PRESIDENT

AWS QUALIFICATION & CERTIFICATION COMMITTEE CHAIR

NDT Level II – Ultrasonic Testing

HELLIER *A Higher Level of Reliability*

HELLIER AWARDS THIS CERTIFICATE TO:

Jon Wittrock

IN RECOGNITION OF HAVING SUCCESSFULLY COMPLETED AN EDUCATIONAL COURSE, AND DEMONSTRATED PROFICIENCY BY SATISFACTORY COMPLETION OF AN EXAMINATION ON THE SUBJECT OF

ULTRASONIC TESTING
LEVEL II

(40 HOURS)

IN WITNESS THEREOF THESE SIGNATURES HAVE BEEN HERETO AFFIXED

August 3, 2012

MANAGER

INSTRUCTOR

TECHNICAL TRAINING & CONSULTING

a Rockwood Company

Beau Kamrath

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

National Highway Institute

Certificate of Training

Beau Kamrath

has participated in

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

hosted by

Kentucky Transportation Cabinet

Date: April 7-18, 2014
Location: Frankfort, Kentucky

Hours of Instruction: 67.0

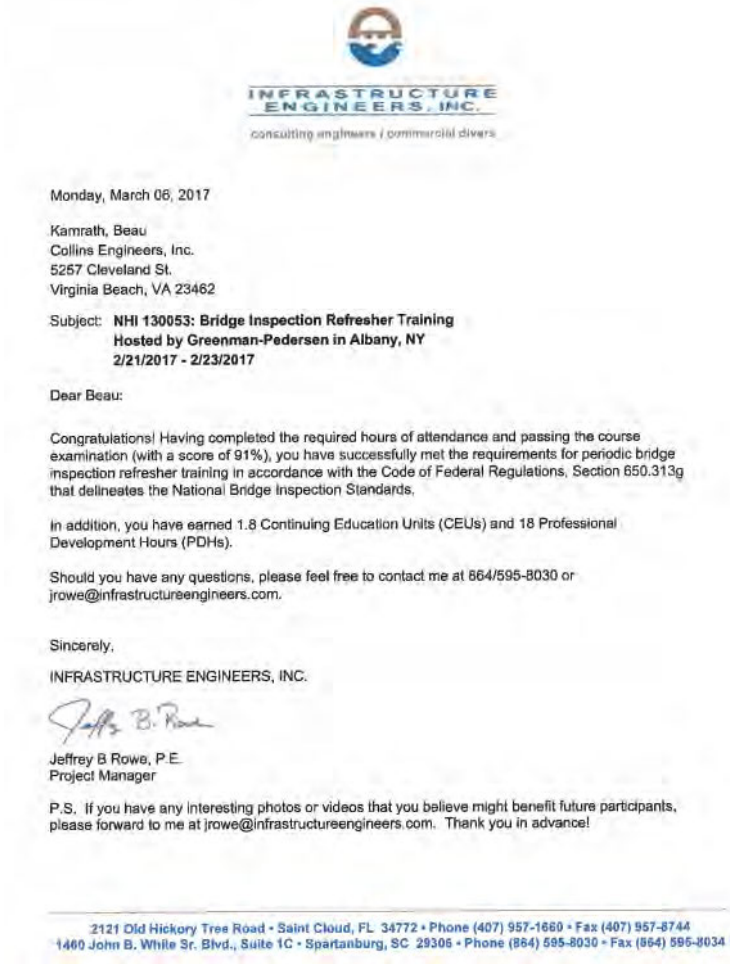
Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

FHWA-NHI Course 130053 - Bridge Inspection Refresher Training



INFRASTRUCTURE ENGINEERS, INC.
consulting engineers / commercial divers

Monday, March 06, 2017

Kamrath, Beau
Collins Engineers, Inc.
5257 Cleveland St.
Virginia Beach, VA 23462

Subject: **NHI 130053: Bridge Inspection Refresher Training**
Hosted by Greenman-Pedersen in Albany, NY
2/21/2017 - 2/23/2017

Dear Beau:

Congratulations! Having completed the required hours of attendance and passing the course examination (with a score of 91%), you have successfully met the requirements for periodic bridge inspection refresher training in accordance with the Code of Federal Regulations, Section 650.313g that delineates the National Bridge Inspection Standards.

In addition, you have earned 1.8 Continuing Education Units (CEUs) and 18 Professional Development Hours (PDHs).

Should you have any questions, please feel free to contact me at 864/595-8030 or jrowe@infrastructureengineers.com.

Sincerely,

INFRASTRUCTURE ENGINEERS, INC.

Jeffrey B Rowe, P.E.
Project Manager

P.S. If you have any interesting photos or videos that you believe might benefit future participants, please forward to me at jrowe@infrastructureengineers.com. Thank you in advance!

2121 Old Hickory Tree Road • Saint Cloud, FL 34772 • Phone (407) 957-1660 • Fax (407) 957-8744
1460 John B. White Sr. Blvd., Suite 1C • Spartanburg, SC 29306 • Phone (864) 595-8030 • Fax (864) 595-8034

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Beau Kamrath

has participated in

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

hosted by

Clark Nexsen

Date: *November 28-December 1, 2017* ***Hours of Instruction:*** 25

Location: *Virginia Beach, VA*

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

FHWA-NHI Course 130091 - Underwater Bridge Inspection

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Beau Kamrath

has participated in

FHWA-NHI-130091 Undewater Bridge Inspection

hosted by

Crofton Diving Corporation

Date: *March 29-31, 2018* ***Hours of Instruction:*** 24

Location: *Portsmouth, VA*

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

SPRAT Rope Access

SPRAT

ROPE ACCESS TECHNICIAN

LEVEL: III

Beau William Kamrath

Hampton, VA
USA

SPRAT Cert. # 150449
Certification Date: 12 FEB 2021
Renewal Date: 19 MAR 2024

ADCI Commercial Diver

Mike Spencer

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

FHWA-NHI Course 130053 - Bridge Inspection Refresher Training

FHWA-NHI Course 130078 - Fracture Critical Inspection Techniques for Steel Bridge

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

Mike Spencer

has participated in

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

hosted by

Collins Engineers, Inc.

Date: *April 5-8, 2017*
Location: *Chicago, IL*

Hours of Instruction: 25

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

FHWA-NHI Course 130091 - Underwater Bridge Inspection

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

Michael J. Spencer

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

Collins Engineers, Inc.

Date: *March 1-4, 2013*
Location: *Chicago, IL*

Hours of Instruction: 24

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

SPRAT Rope Access

SPRAT®

ROPE ACCESS TECHNICIAN

Level: III

Michael Spencer

Lemont, IL
USA

SPRAT Cert. # 150460
Certification Date: 10 JUL 2020
Renewal Date: 1 SEP 2023

Dan Stromberg

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

On-site training based on _____

Certificate of Training

Daniel G. Stromberg, S.E., P.E.

U.S. Department of Transportation

Federal Highway Administration's BITM 90 80 hr Course

has satisfactorily completed training in

Safety Inspection of In-Service Bridges

conducted by

Collins Engineers, Inc.

Location: Chicago, Illinois

Date: January, 1999

Hours of Instruction: 80

Continuing Education Units: 6.0

Instructor

Coordinator

FHWA-NHI Course 130053 - Bridge Inspection Refresher Training

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Daniel Stromberg

has participated in

FHWA-NHI-130053
Bridges Inspection Refresher Training

hosted by

Collins Engineers, Inc.

Date: June 19-21, 2018

Location: Chicago, IL

Hours of Instruction: 18 Hours

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

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

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Dan Stromberg

has participated in

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

hosted by

Collins Engineers, Inc.

Date: February 14-17, 2012

Location: Schaumburg, Illinois

Hours of Instruction: 25

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

FHWA-NHI Course 130091 - Underwater Bridge Inspection

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Daniel G. Stromberg

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

ADCI

Date: *February 22-25, 2016*
Location: *New Orleans, LA*

Hours of Instruction: 24

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

ADCI Commercial Diver

HUVAL & ASSOCIATES, INC. ENGINEERING

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

COLBY GUIDRY

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: January 21-23, 2020
Location: Baton Rouge, LA

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Michael Davies, P.E.
Director, National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Colby Guidry

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Office of State Aid Road Construction

Date: April 21-23, 2015
Location: Jackson, MS

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Colby Guidry

has participated in

Safety Inspection In-Service Bridges

hosted by

ALABAMA DEPARTMENT OF TRANSPORTATION

Location: Mobile, Alabama
Date: May 14 – 25, 2007

Hours of instruction: 72

Instructor

Director, National Highway Institute
Federal Highway Administration

Director, Office of Professional Development
Federal Highway Administration

National Highway Institute

Certificate of Training

Colby Guidry

has participated in

Fracture Critical Inspection Techniques for Steel Bridges

hosted by

LA DOTD/LTRC

Date: April 27-30, 2009
Location: Baton Rouge, LA

Hours of Instruction: 21

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Raymond Provost

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Texas Department of Transportation

Date: October 29-31, 2019
Location: Austin, TX

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Michael Davies, P.E.
Director, National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Ray Provost

has participated in

Safety Inspection of In-Service Bridges

hosted by

LA DOTD/LTRC

Date: March 31-April 11, 2008
Location: Baton Rouge, Louisiana

Hours of Instruction: 60

Instructor

Instructor

Local Coordinator

Joseph S. Toledo Associate Administrator
Office of Professional and Corporate Development

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Andrew Juneau, P.E.

has participated in

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

hosted by

New Jersey Department of Transportation

Date: June 11-15, 2018
Location: Trenton, NJ

Hours of Instruction: 34

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

PATRICK BROUSSARD

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: January 21-23, 2020
Location: Baton Rouge, LA

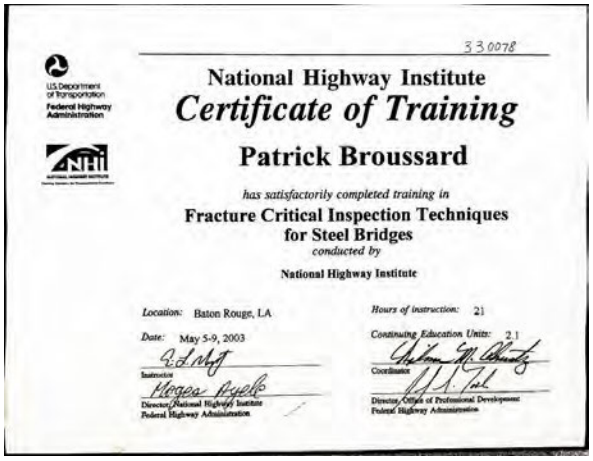
Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Michael Davies, P.E.
Director, National Highway Institute



33078

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Patrick Broussard

has satisfactorily completed training in

Fracture Critical Inspection Techniques for Steel Bridges

conducted by

National Highway Institute

Location: Baton Rouge, LA
Hours of instruction: 21
Date: May 5-9, 2003
Continuing Education Units: 2.1

Instructor
Instructor
Director, National Highway Institute, Federal Highway Administration
Coordinator
Director, Office of Professional Development, Federal Highway Administration

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Patrick Broussard

has satisfactorily completed training in

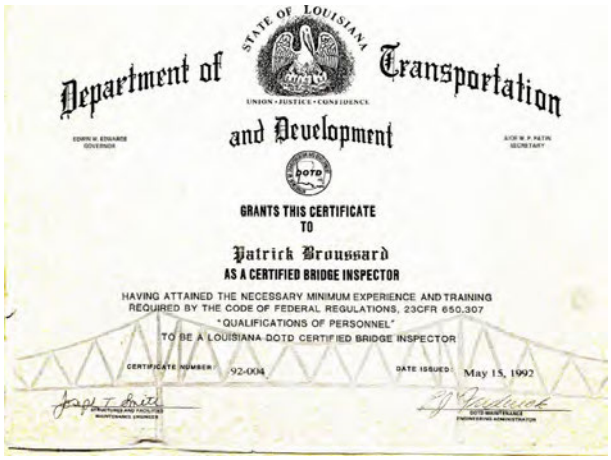
NONDESTRUCTIVE TESTING METHODS FOR STEEL BRIDGES

conducted by

National Highway Institute

Location: Baton Rouge, LA
Hours of instruction: 18
Date: November 16-18, 1999
Continuing Education Units: 1.8

Instructor
Director, National Highway Institute
Coordinator
Federal Highway Administrator



STATE OF LOUISIANA
UNION • JUSTICE • CONFIDENCE

Department of Transportation and Development

EDWIN W. EDWARDS, GOVERNOR — KAM W. P. PATIN, SECRETARY

DOTD

GRANTS THIS CERTIFICATE TO

Patrick Broussard

AS A CERTIFIED BRIDGE INSPECTOR

HAVING ATTAINED THE NECESSARY MINIMUM EXPERIENCE AND TRAINING REQUIRED BY THE CODE OF FEDERAL REGULATIONS, 23CFR 650.307 "QUALIFICATIONS OF PERSONNEL" TO BE A LOUISIANA DOTD CERTIFIED BRIDGE INSPECTOR

CERTIFICATE NUMBER: 92-004 DATE ISSUED: May 15, 1992

Structures and Facilities Maintenance Engineer
DOTD Maintenance Engineering Administrator

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Certifies that **PATRICK BROUSSARD**

has satisfactorily completed **36** hours of training in

ENGINEERING CONCEPTS FOR BRIDGE INSPECTORS

conducted by **Baker Engineers for the Federal Highway Administration**

February 4-8, 1991	Port Allen, Louisiana
Date	Location
Federal Highway Administrator	Instructor
Director, National Highway Institute	Coordinator

STATE OF LOUISIANA
UNION • JUSTICE • CONFIDENCE

Department of Transportation and Development

DOTD

Awards This Certificate to

Patrick Broussard

For Completion of a

Comprehensive Movable Bridge Inspection Training Course
Conducted by the Louisiana Department of Transportation and Development held in Houma, Louisiana
March 4 thru 8, 1996

March 8, 1996

Structures and Facilities Maintenance Engineer

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Patrick Broussard

has participated in

FHWA - NHI Course No. 130053
Bridge Inspection Refresher Training (3 Days)

hosted by

LA DOTD/LTRC

Date: September 22-24, 2015
Hours of Instruction: 18
Location: Baton Rouge, LA

Instructor
Instructor
Local Coordinator
Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Certifies that **Patrick Broussard**

has satisfactorily completed **80** hours of training in

SAFETY INSPECTION OF IN-SERVICE BRIDGES

conducted by **FEDERAL HIGHWAY ADMINISTRATION**

September 9-20, 1991	Baton Rouge, Louisiana
Date	Location
Federal Highway Administrator	Instructor
Director, National Highway Institute	Coordinator

STATE OF LOUISIANA
UNION • JUSTICE • CONFIDENCE

Department of Transportation and Development

LA TRANSPORTATION

GRANTS THIS CERTIFICATE TO

Edward A. Smith

AS A CERTIFIED BRIDGE INSPECTOR

HAVING ATTAINED THE NECESSARY MINIMUM EXPERIENCE AND TRAINING REQUIRED BY THE CODE OF FEDERAL REGULATIONS, 23CFR 650.307 "QUALIFICATIONS OF PERSONNEL" TO BE A LOUISIANA DOTD CERTIFIED BRIDGE INSPECTOR

CERTIFICATE NUMBER: 91-003 DATE ISSUED: November 22, 1991

Structures and Facilities Maintenance Engineer
DOTD Maintenance Engineering Administrator

National Highway Institute

Certificate of Training

Edward Smith

has participated in

NHI Course No. 130053 –
Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: March 22-24, 2011 *Hours of Instruction:* 18

Location: Alexandria, LA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Edward A. Smith

has participated in

FHWA-NHI-130053
Bridge Inspection Refresher Training

hosted by

Indiana Department of Transportation

Date: August 23-25, 2016 *Hours of Instruction:* 18

Location: Indianapolis, Indiana

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

National Highway Institute

Certificate of Training

Edward Smith

has participated in

NHI Course No. 130053 –
Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

Date: March 22-24, 2011 *Hours of Instruction:* 18

Location: Alexandria, LA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Edward A. Smith

has participated in

FHWA-NHI-130053
Bridge Inspection Refresher Training

hosted by

Indiana Department of Transportation

Date: August 23-25, 2016 *Hours of Instruction:* 18

Location: Indianapolis, Indiana

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

```
.5221                    LOUISIANA DEPT OF TRANSPORTATION & DEVELOPMENT          02-05-2014
.0 A                          EDUCATION & TRAINING SYSTEM                        PAGE: 12

                                   TRAINING RECORDS

SMITH, EDWARD A                          EMPL : SELF
                                         NON-DEPT     TEST DIST: 007

  2 2264 A   ADVANCED MS WORD - UNO
               05-03-2007   COMPLETE: 05-03-2007  070 P

  2 5506 A   LOTUS NOTES - INTRODUCTION
               01-20-2005   COMPLETE: 01-20-2005  090 P

  3 3005 3   BRIDGE INSPECTION REFRESHER TRAINING
               03-22-2011   COMPLETE: 03-24-2011  PASS
       (01)    02-14-2006   COMPLETE: 02-16-2006  PASS

  3 3007 8   FRACTURE CRITICAL  INSPECTION TECHNIQUES FOR STEEL BRIDGES
               11-04-2003   COMPLETE: 11-07-2003  NONE

  3 3023 A   NONDESTRUCTIVE TESTING METHODS FOR STEEL BRIDGES
               11-16-1999   COMPLETE: 11-18-1999  NONE
```

The American Traffic Safety Services Association

Hereby recognizes that

Edward Smith
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

09/28/2018 to 09/28/2018
Date

Lafayette, LA
Location

ATSSA

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Glenn McCall
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

09/28/2018 to 09/28/2018
Date

Lafayette, LA
Location

ATSSA

Training & Products Dept. Director

President, CEO


The American Traffic Safety
Services Association
Hereby recognizes that
Ray Provost
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
09/28/2018 to 09/28/2018
Date
Lafayette, LA
Location
ATSSA
Training & Products Dept. Director
President, CEO


The American Traffic Safety
Services Association
Hereby recognizes that
Andrew Juneau
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
09/28/2018 to 09/28/2018
Date
Lafayette, LA
Location
ATSSA
Training & Products Dept. Director
President, CEO


The American Traffic Safety
Services Association
Hereby recognizes that
William Hupperich
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
09/28/2018 to 09/28/2018
Date
Lafayette, LA
Location
ATSSA
Training & Products Dept. Director
President, CEO


The American Traffic Safety
Services Association
Hereby recognizes that
Colby Guidry
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
09/28/2018 to 09/28/2018
Date
Lafayette, LA
Location
ATSSA
Training & Products Dept. Director
President, CEO

KPFF ENGINEERING

The American Society for Nondestructive Testing, Inc.

Be it known that

Mark R Powlison

has met the established and published Requirements for Certification by ASNT as

NDT Level III

in the following Nondestructive Testing Methods:

Method	Issue Date	Expiration Date
Liquid Penetrant Testing	5/18	5/23
Magnetic Particle Testing	5/18	5/23
Radiographic Testing	5/18	5/23
Ultrasonic Testing	5/18	5/23

95737
Certificate Number

ASNT President

Certification Management Council Chair

This certificate is the property of ASNT, is not official without ASNT's raised gold seal and is subject to revocation prior to the listed expiration date. This certificate should be verified on the ASNT website or by contacting the ASNT Technical Services Department.

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Christopher A. Ligozio

has participated in

FHWA-NHI-130055

Safety Inspection of In-Service Bridges

hosted by

Illinois Department of Transportation

Date: March 3-14, 2014

Location: Schaumburg, Illinois

Hours of Instruction: 67

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Scott Wyatt

has participated in

Safety Inspection of In-Service Bridges

hosted by

LA DOTD/LTRC

Date: March 31-April 11, 2008

Location: Baton Rouge, Louisiana

Hours of Instruction: 60

Instructor

Instructor

Local Coordinator

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

SECTION 21 - QA/QC Plan and/or Work Plan

VOLKERT

21. **QA/QC Plan and/or Work Plan:**

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

[redacted]

SECTION 22 - Sub-consultant Information

VOLKERT

22. **Sub-consultant information:**

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**
Collins Engineers, Inc.	7967 Office Park Boulevard Baton Rouge, LA 70809	Drew Garceau, PE, CWI dgarceau@collinsengr.com	920.901.3013
Huval & Associates, Inc.	922 W Pont Des Mouton Rd, Lafayette, LA 70507	Colby Guidry, PE cguidry@huvalassoc.com	337.234.3798
KPFF Consulting Engineers	1560 Sherman Avenue, Suite 1020, Evanston, IL 60201	Scott Wyatt, PE, SE Scott.Wyatt@kpff.com	847.859.7790

SECTION 23 - Location

Not required for this submittal

23. **Location:**

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.

NOT REQUIRED FOR THIS SUBMITTAL