REQUEST FOR ENGINEERING AND RELATED SERVICES

IDIQ CONTRACT FOR IN-DEPTH BRIDGE INSPECTION, STATEWIDE

CONTRACT NOS. 4400029683, 4400029684, AND 4400029685

DOTD

LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

1925 100 VOLKERT 2025

August 8, 2024

Volkert, Inc.
Baton Rouge Office
9448 Brookline Avenue
Baton Rouge, LA 70809
www.volkert.com

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

RE: Advertistement for Engineering & Related Services
IDIQ Contract for In-Depth Bridge Inspection
Contract Nos. 4400029683, 4400029684, AND 4400029685

Dear Ms. Territo,

We are pleased to submit our response for the **IDIQ Contract for Engineering and Related Services for In-depth Bridge Inspection** advertisement. We have read the advertisement, along with Addendum #1 posted on July 26, 2024, and fully understand the scope of services which could be provided under this contract. 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 ensured the availability of our experienced inspectors, divers, and additional staff.

We are a nationally recognized bridge safety inspection firm, having provided over 40,000 inspections in the past 40 years. These inspections include 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, whether minor or major, including structures with Non-redundant Steel Tension Members (NTSM). 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 in performing bridge inspections efficiently and effectively.

I will serve as Principal-in-Charge for this contract, 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, overseeing and leading inspection services for many of Volkert's large, long-term structures inspection contracts that we have held, such as with the Eastern Federal Lands Highway Division (EFLHD) (21 years), FDOT (39 years), LADOTD (over 21 years), Mobile County, Alabama (32 years), and American Roads (15 years).

For this contract, Volkert will serve as the Prime Consultant and will augment our team with the following subconsultants:

- **WSP USA, Inc.** - Movable Bridge Inspection, Electrical Engineering, Mechanical Engineering
- **Marine Solutions, Inc.** - Rope Access (SPRAT Level III personnel), ADCI Diving
- **Burgess & Niple, Inc.** - Inspection, 3D Structural Imaging (digital twins), SPRAT Rope Access
- **Collins Engineers, Inc.** - Underwater Acoustic Imaging, 3D Structural Imaging (digital twins), ADCI Diving, SPRAT Rope Access, Hydrographic Surveying
- **KPFF, Inc.** - Cable Stay Specialist, Inspection, Repair Design
- **Fickett Structural Solutions** - Inspection, Rope Access (SPRAT Level III personnel), ASNT Level III - NDE/NDT
- **KTA-Tator** - NACE Coating Specialist, ASNT Level III - NDE/ NDT
- **ECM Consultants, Inc.** - Coating Specialist
- **APS Engineering & Testing, Inc.** - Geotechnical and DBE firm

I am authorized to bind the company under this contract and 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

A Century of Integrity in Infrastructure

LADOTD FORM 24-102

LADOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised January 1, 2023)

Prime consultant shall complete the LADOTD 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 LADOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE LADOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract title as shown in the advertisement	**IDIQ CONTRACT FOR IN-DEPTH BRIDGE INSPECTION, STATEWIDE**
2. Contract number(s) as shown in the advertisement	4400029683, 4400029684, AND 4400029685
3. State Project Number(s), if shown in the advertisement	n/a
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	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 Louisiana License: VF.0000869
6. Prime consultant mailing address	9448 Brookline Ave Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Janet L. Evans, PE, MBA, 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, MBA, 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. LADOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	 **Signature above shall be the same person listed in Section 9:** **Date:** August 8, 2024
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):** APS Engineering and Testing, LLC **Firm(s)' %:** 2%

SECTION 12

PAST PERFORMANCE EVALUATION DISCIPLINE TABLE

VOLKERT

12. Past Performance Evaluation Discipline Table:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Volkert	WSP	COLLINS	B&N	MSI	FICKETT	KPFF	KTA-TATOR	ECM	APS	Each Discipline Must Total to 100%
Bridge	95%	54%	8%	8%	8%	8%	5%	5%	2%	2%	0%	100%
Traffic	2%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Survey	1%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Geotech	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%

Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.												
Percent of Contract	100.0%	54%	7.6%	7.6%	7.6%	7.6%	4.8%	4.8%	2%	2%	2%	100.0%

SECTION 13

FIRM SIZE

13. For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by LADOTD 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 LADOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses.

Firm Name	LADOTD Job Classification	Number of Personnel committed to this contract	Total number of personnel available in this LADOTD Job Classification (if needed)
VOLKERT Volkert, Inc.	Principal	2	37
	Supervisor - Eng	3	38
	Engineer	10	86
	Engineer Intern	3	78
	Surveyor	2	50
	Inspector - Bridge	6	16
	Technician	2	44
WSP	Supervisor – Engineering	3	7
	Engineer	7	14
	Inspector – Bridge	2	10
COLLINS ENGINEERS INC	Inspector-Bridge	4	38
	Engineer	6	34
	Engineer Intern	7	12
BURGESS & NIPLE	Engineer	4	21
	Principal	1	2
MARINE SOLUTIONS	Engineer	7	49
	Inspector - Bridge	4	69
FICKETT Structural Solutions	Engineer	2	2
	Technician	1	3

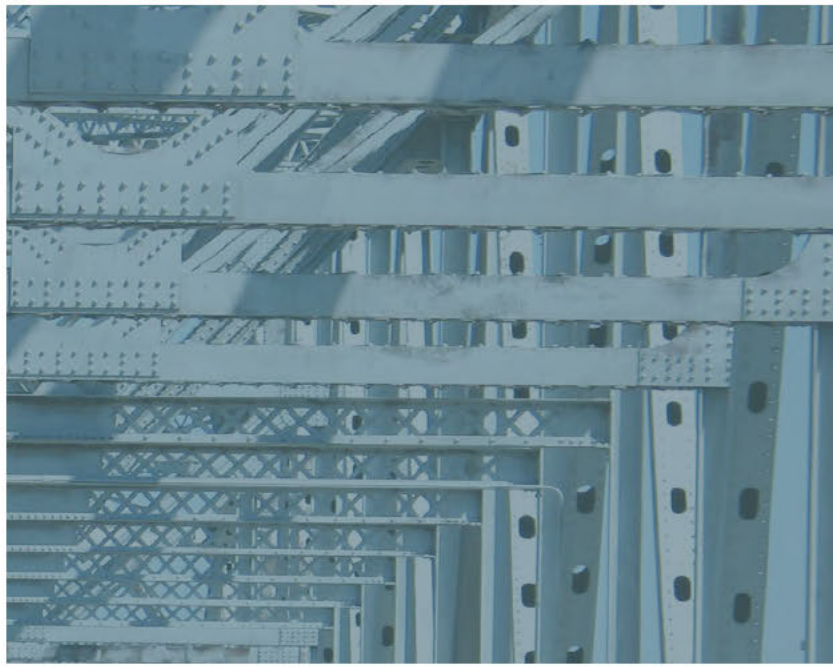
13. For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by LADOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the LADOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses.

Firm Name	LADOTD Job Classification	Number of Personnel committed to this contract	Total number of personnel available in this LADOTD Job Classification (if needed)
kpff	Inspector – Bridge	1	6
	Engineer	2	6
KTA	Supervisor-Other	2	4
ECM	Inspector - Bridge	3	3
APS Engineering and Testing	Engineer	3	3

SECTION 14

ORGANIZATIONAL CHART

VOLKERT



14. Organizational Chart:

Volkert will serve as the prime firm in providing services to LADOTD for this contract. The contract will be primarily managed from our office located at 9448 Brookline Ave, Baton Rouge, LA 70809

Minimum Personnel Requirement Nos. (#)

* Non-LA PE

** Traffic Engineering

FIRM LEGEND

Volkert, Inc.
Burgess & Niple
Collins Engineering
Fickett, Inc.
KTA-Tator, Inc.
ECM
KPFF, Inc.
WSP USA, Inc.
Marine Solutions, Inc.
APS Engineering & Testing, LLC

DOTD

LADOTD PM
Stephanie Doolittle, PE

Project Principal
Janet Evans, PE, MBA (1,2)

Project Manager
Aaron Immel, PE, CBI, CTL, CFM (3)

Assistant Project Manager
Steven Armstrong, PE, CBI, ADCI (9)

QA/QC Management
Britt Bumpers, PE, CBI
Matt Burnett, PE, CBI, ADCI

QA/QC Bridge Design
Artur D'Andrea, PE

QA/QC Inspection Team
Stephen Dossett, PE, CBI, CTI
Britt Bumpers, PE

NBIS Bridge Inspection & Evaluation

Team Leaders	Assistant Inspectors
Aaron Immel, PE, CBI, CTI, CFM (3)	Will Valentine, EI
Britt Bumpers, PE, CBI, CTI (5)	Davey Smith
Stephen Dossett, PE, CBI, CTI (4)	Luke Chambless, ADCI (9)
Robert Scheeler, PE, CBI, CTI (4)	Gabriel Rice, EI
Matt Burnett, PE, CBI, ADCI, CTI (9)	Chris Ligozio, PE (NY PE) *
Robbie Chambless, CBI, CTI	Adrian Ciolko
Todd Powell, CBI	Jackson Kidd, EI *
Paul Swann, CBI	Michael Delveaux
Corey Boss, CBI	David Waller
Anthony Bibelhauser, CBI	Benjamin Dow
Steven Armstrong, PE, CBI, ADCI (9)	Emilio Rodriguez (6)
Scott Wyatt, PE (IL PE) *	Matthew Sullivan, PE
Michael Seal, PE	Gilberto Rosado, PE
Beau Kamarath, PE (8)	William (Coley) Mitchell, CBI
Michael Craig, PE, SE	Josh Fisher
Lloyd (Mark) Pearson, PE	
Casey Howard, PE	
Ryan Sievers, PE *	
Drew Appler, PE	

Advanced Inspection Techniques

Underwater Accoustic Imaging (UAI)
Roy Forsyth, PE, CWI * (10)
Russell Richard, EI * (10)

Umanned Aerial System (UAS)
Steven Armstrong, PE, ADCI, CBI (9)
Beau Kamarath, PE (8)
Michael J. Kronander, PE
Drew Appler, PE

Survey
Randy Denmon, PE, PLS (11)
Clinton Patrick, PE, PLS (11)

Rope Access (SPRAT)
Steven Armstrong, PE, CBI, ADCI (9)
Gabriel Rice, EI
Brian Hughes
Michael Seal, PE
Michael Delveaux
Drew Appler, PE
Brendan J. Prendeville, PE
Edward M. Cinadr, PE
Michael J. Kronander, PE
Andrew Goodrich, PE *
Ryan Sievers, PE *
Reed Case
Kyle Morrow, PE
Anderson Potter, PE *

Data Management
Sandy Sumner
Gabriel Rice, EI

Bridge Design, Rehabilitation, & Load Rating
Hossein Ghara, PE, MBA
Jacob Parker, PE
Ahmed Rageh, PE, PhD
Steven Armstrong, PE, CBI, ADCI
Gabriel Rice, EI
Scott Wyatt, PE (IL PE) *
Chris Ligozio, PE (NY PE) *
Adrian Ciolko
Noemy Roman, PE
Mustapha Ibrahim, PE *

Traffic
Jonathan Gambino, PE, PTOE, RSP1 **
Trey Pecoraro, EI **

Geotechnical
Sergio Aviles, PE
Sairam Eddanapudi, ME, PE
Surendra Pathak, MS, PE

Mechanical Design/Inspection
Ray Miller, PE
Robb Algazi, PE
Jude Bonsu, PE

Electrical Design/Inspection
Ken Powers, PE
William Tucker, PE
Kevin Walsh, PE

Non-Destructive Evaluation
James Kretzler (7)
Carter Bohn

Paint & Coating Inspection
Robert Lanterman (6)
Emilio Rodriguez (6)

Underwater Inspections

Team Leaders
Matt Burnett, PE, CBI, ADCI, CTI
Steven Armstrong, PE, CBI, ADCI (9)
John Loftus, PE
Brad Koch, PE (CO PE) *
Kyle Morrow, PE (MD PE) *
Ross Whiting, PE (KY PE) *
Joshua Johnson, PE (KY PE) * (8)
Beau Kamarath, PE (8)
Matthew Rogers, PE (KY PE)* (8)
Brian Dilworth, PE (IL PE)* (8)
Roy Forsyth, PE, CWI (WI PE)* (10)
Andrew Baldwin, EI *
Russell Richard, EI * (10)
Tanner Harmon (10)

Assistant Inspectors
Luke Chambless, ADCI
Tyler Estes
Morgan Gebert
Ian Conrath
Joseph Guthrie
Austin Barber, PE (FL PE) *
Taylor Arnold, EI *
Caroline Knapp, EI *
Callen Papineau, EI *
Desmond Castillo
Caleb Klein

SECTION 15

MINIMUM PERSONNEL REQUIREMENTS

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.

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number	State of license	License / certification expiration date
1	Janet L. Evans, PE, MBA	Volkert, Inc.	PE # - Civil 21307	LA	09/30/2024
2	Janet L. Evans, PE, MBA	Volkert, Inc.	PE # - Civil 21307	LA	09/30/2024
3	Aaron Immel, PE	Volkert, Inc.	PE # - Civil 29153	LA	03/31/2025
4	Robert Scheeler, PE, CBI, CTI	Volkert, Inc.	PE # - Civil 43973; FHWA-NHI-130055; FHWA-NHI-130053; FHWA-NHI-130078; FHWA-NHI-130087; FHWA-NHI-130091; FHWA-NHI-135047	LA	03/31/2026
	Stephen Dossett, PE, CBI, CTI	Volkert, Inc.	PE # - Civil 38365; FHWA-NHI-130055; FHWA-NHI-130053; FHWA-NHI-130078; FHWA-NHI-130087; FHWA-NHI-130091; FHWA-NHI-135047	LA	03/31/2025
5	Britt Bumpers, PE, CBI	Volkert, Inc.	PE # - Civil 30046; FHWA-NHI-130055; FHWA-NHI-130053	LA	09/30/2024
6	Robert Lanterman	KTA-Tator	NACE Certified Coatings Inspector Level 3 (#13505) SSPC Certified Protective Coatings Specialist (#2015-820-136)	n/a	05/23/2025 12/31/2027
	Emilio Rodriguez	ECM Consultants	NACE certified Coating Inspector Level 2 #40575	n/a	n/a
7	James Kretzler	KTA-Tator	ASNT Level III MT, PT, UT, RT (#186946)	n/a	10/01/2025
8	Beau Kamrath, PE Joshua Johnson, PE Matthew Rogers, PE, CWI Brian Dilworth, PE	Collins Engineers Collins Engineers Collins Engineers Collins Engineers	PE # - Civil 46453 PE # - Civil 27049 PE # - Civil 36345 PE # - Civil 062-063791	LA KY KY IL	09/30/2024 06/30/2025 06/30/2026 11/30/2025
9	Matt Burnett, PE, CBI, ADCI	Volkert, Inc.	PE # - Civil 45464; FHWA-NHI-130053; FHWA-NHI-130055; FHWA-NHI-130091; ADCI Entry Level #11004	LA	09/30/2025
	Steven Armstrong, PE, CBI, ADCI	Volkert, Inc.	PE # - Civil 44405; FHWA-NHI-130053; FHWA-NHI-130055; FHWA-NHI-130091; ADCI Surface-Supplied Diver #62023	LA	09/30/2024
	Luke Chambless, ADCI	Volkert, Inc.	FHWA-NHI-130091; ADCI Entry Level #61493	n/a	09/01/2025

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number	State of license	License / certification expiration date
10	Roy Forsyth, PE, CWI Tanner Harmon	Collins Engineers Collins Engineers	PE # Civil 39042 n/a	WI n/a	07/31/2026 n/a
11	Randy Denmon, PE, PLS	Volkert, Inc.	PE # - Civil 29390 PLS #4798 - Survey	LA LA	03/31/2025 03/31/2025
	Clinton Patrick, PE, PLS	Volkert, Inc.	PE # - Civil 40919 PLS #5311 - Survey	LA LA	09/30/2025 09/30/2025

SECTION 16

STAFF EXPERIENCE

VOLKERT, INC.

Janet Evans, PE, MBA | MPR #1, 2
Aaron Immel, PE, CBI, CTI, CFM | MPR #3
Steven Armstrong, PE, CBI, ADCI | MPR #9
Britt Bumpers, PE, CBI, CTI | MPR #5
Stephen Dossett, PE, CBI, CTI | MPR #4
Robert Scheeler, PE, CBI, CTI | MPR #4
Matt Burnett, PE, CBI, ADCI, CTI | MPR #9
Robbie Chambless, CBI, CTI
Todd Powell, CBI
Paul Swann, CBI
Corey Boss, CBI
Anthony Bibelhauser, CBI
Will Valentine, EI
Davey Smith
Luke Chambless, ADCI | MPR #9
Gabriel Rice, EI
Randy Denmon, PE, PLS | MPR #11
Clinton Patrick, PE, PLS | MPR #11
Sandy Sumner
Hossein Ghara, PE, MBA
Jacob Parker, PE
Ahmed Rageh, PE, PhD
Artur D'Andrea, PE
Jonathan Gambino, PE, PTOE, RSP1
Trey Pecoraro, EI
Ray Miller, PE
Ken Powers, PE
William Tucker, PE

VOLKERT

16. Staff Experience:

Firm employed by: Volkert, Inc.			
Janet L. Evans, PE, MBA | *Project Principal*		Years of relevant experience with this employer	16
		Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization	MBA |1986 |Business Administration BS |1980 |Civil Engineering	Year registered	1984
Active registration number / state / expiration date	21307 | LA | 9/30/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Ms. Evans will be serving as Project Principal. Ms. Evans fulfills Minimum Personnel Requirements #1 and 2.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
Ms. Evans joined Volkert in 2008 and has over 40 years of roadway and bridge project management and design experience in design and construction of transportation projects. This includes urban freeway design, stage 0 studies, capacity improvements, (lane additions), environmental justice and interchange modifications as well as both traditional design and an alternative design build considered confined work zones, traffic queuing and limited lane closures and development of construction sequencing for the high average daily traffic volume interstates. 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. 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 10 years of experience serving as a Project Manager on LADOTD alternative delivery projects.	
05/23 - 05/28 (est.)	**Jimmie Davis Bridge (LA511) (HBI) (Owner Verification Services).** Volkert is responsible for providing all Engineering Design and Construction Support services including implementation of the Construction Quality Assurance Manual and Document Control. As the Owner Verification firm, Volkert is providing guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the DB contractor adheres to their contract, and address other assignments as directed. Volkert is verifying that all the DB Contractor submittals (i.e., Safety Plan; FAA permits; US Coast Guard Permits; USACE permits; Quality Manual; etc.) conform with the DB Contractor 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. During Construction, Volkert staff provides QA inspection oversite in the field and review all material certifications and work to verify DB Contract Documents are met.
06/20 – 08/24 (est.)	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements.** Principal-in-Charge. Ms. Evans is serving as Project Principal for the Belle Chasse Bridge and Tunnel Improvements. Volkert is 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 provides guidance and support to the LADOTD Project Manager prior to and during reviews, develop review comments, attend project meetings, ensure that the P3 team adheres to their contract, and address other assignments as directed.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
09/20 – 11/22	**Owner Verification Services for College Drive Flyover Ramp (I-10/I-12 west) in East Baton Rouge Parish for the Louisiana Department of Transportation and Development (LADOTD).** Ms. Evans served as Principal-in-Charge for this project that consisted of modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits. Volkert provided all necessary engineering services as part of this Design-Build/Owner Verification project. This included design reviews for bridges, roads, hydraulics, electrical and ROW Acquisition efforts as well as contract administration, scheduling, document control, and construction phase services. SP No. 4400019680, S.P. No H.013897.
08/17 - 02/20	**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LADOTD).** 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 Highland 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. This was the fastest procured design-build today in LADOTD History. 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 (LADOTD).** Ms. Evans served as Principal-in-Charge for Volkert's team as they completed preliminary construction cost estimates and reviewed preliminary engineering layouts from LADOTD to help assess impacts, constructability design issues. She also helped produce the Performance Specifications, worked with LADOTD 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.
09/14 - 09/21	**Retainer Contract for Design Build/Alternative Delivery Projects, LADOTD.** Volkert was selected for a five-year retainer contract to perform engineering and administration services for project initiation, procurement, design and construction contract administration, project oversight and acceptance for both design and construction projects. The project consisted of project initiation, procurement, design and construction contract administration, project oversight and acceptance support for both design and construction, development of documents, polices, and procedures, as well as document control of Alternative Delivery projects (Design-Build, CMAR, P3, etc.) and services for proposed projects covered by this contract, as issued in task orders (TO) through the Louisiana Department of Transportation and Development (LADOTD).
02/10 - 01/14	**I-10 Widening Design-Build | Siegen Lane Interchange – the Highland Road Interchange, East Baton Rouge Parish, LA (LADOTD) |** Ms. Evans was the Design QA/QC Manager and Designer of Record for this project. As such, Ms. Evans worked closely with all designers and the contractor on this $100M Design-Build project. She was responsible for writing the design QC manual and ensuring that the procedures with the manual were implemented and followed. She was responsible for the monthly reporting of all design and design QA/QC activities to the LADOTD. As Designer of Record, Ms. Evans handled all communication between the contractor and the engineering sub-consultants on the project, including Traffic Engineering and Geotechnical Engineering. She was in daily communication with the Contractor to ensure that the schedule and budget was met. Ms. Evans was also involved in the prebid activities which included preliminary plan development, maintenance of traffic phasing and quantity estimates for the contractor prior to contract award. This project was awarded an ACI Merit Award. | S. P. No. 450-10-0159
01/09 - 01/13	**I-12 Widening Design-Build Project from O'Neal Lane Interchange – Pete's Highway (LADOTD).** Ms. Evans served as Principal-in-Charge for this project that consisted of widening I-12 to 3 lanes in each direction (6 lanes total) between the O'Neal Lane/Pete's Highway interchange and Range Road. The additional lanes will be constructed in the median. The bridges at the Amite River and the relief bridges will be replaced by a single bridge more than 2,600 feet long. The existing roadway and earth fill between the old bridges will be removed. Volkert's services included roadway design, electrical design, permitting compliance, QA/QC assistance, permitting, environmental compliance, public involvement, independent quality control, and engineering during construction. | S. P. No. 454-01-0047 & 454-02-0025

Firm employed by: Volkert, Inc.

Aaron Immel, PE | *Project Manager*		Years of relevant experience with this employer	29
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS | 1994 | Civil Engineering (emphasis on Structures)	Year registered	2000
Active registration number / state / expiration date	29153 | LA | 03/31/2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Immel will serve at Project Manager and be responsible for managing bridge design and inspection of bridge structures. Mr. Immel meets MPR #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 years of experience specified in the applicable MPR(s).

Mr. Immel has 29 years of structural engineering and NBIS bridge inspection experience, including for LADOTD, FDOT, TxDOT, TDOT, ODOT, SCDOT, MDOT, OSARC, ALDOT, NASA, and FHWA-EFL-HD. 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 - Ongoing	**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 – Ongoing	**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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
09/17 - Ongoing	**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 - 08/23	**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.

Firm employed by: Volkert, Inc.

Britt Bumpers, PE, CBI, CTI | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	27
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BCE | 1996 | Civil Engineering	Year registered	2002
Active registration number / state / expiration date	30046 | LA | 09/30/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Bumpers will perform bridge inspections for the duration of this project and serve on the QA/QC management team.

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

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 – Ongoing	**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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
08/13 – Ongoing	**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.

Firm employed by: Volkert, Inc.

Stephen Dossett, PE, CBI, CTI | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	9
		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization	BS | 2008 | Civil Engineering	Year registered	2013
Active registration number / state / expiration date	38365 | LA | 03/31/2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Dossett will perform bridge inspections for the duration of this project and serve on the QA/QC inspection team.

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

Mr. Dossett worked at Volkert from 2013-2016 and rejoined Volkert in 2018 and has over 18 years of experience. He assists in the completion of bridge inspections and conceptual plans for bridge improvement projects.

- NHI Safety Inspection of In- Services Bridges
- NHI Tunnel Safety Inspection

07/05 - Ongoing	**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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
09/17 – Ongoing	**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.

Firm employed by: Volkert, Inc.

Matt Burnett, PE, CBI, ADCI, CTI | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS | 2009 | Civil Engineering	Year registered	2021
Active registration number / state / expiration date	45464 | LA | 09/30/2025	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 years of experience specified in the applicable MPR(s).

Mr. Burnett has more than 12 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.

- NHI Safety Inspection of In- Services Bridges
- NHI Tunnel Safety Inspection

07/05 - Ongoing	**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 - Ongoing	**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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
2014-2016	**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-Ongoing	**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.

Firm employed by: Volkert, Inc.

Robert Scheeler, PE, CBI, CTI | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	8
		Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization	BS | 1992 | Civil Engineering	Year registered	2019
Active registration number / state / expiration date	43973 | LA | 03/31/2026	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 years of experience specified in the applicable MPR(s).

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 29 years of experience managing construction projects and performing bridge inspections for bridges of all types including fracture critical structures.

- NHI Safety Inspection of In- Services Bridges
- NHI Tunnel Safety Inspection

08/13-Ongoing	**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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
10/19 - Ongoing	**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-Ongoing	**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.

Firm employed by: Volkert, Inc.

Paul Swann, CBI | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	20
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Swann 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 years of experience specified in the applicable MPR(s).

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:

- NHI Safety Inspection of In- Services Bridges
- NHI Tunnel Safety Inspection

07/05 – Ongoing	**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.
09/05 - 01/13	**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 (LADOTD).** 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)

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
08/13-Ongoing	**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.
12/05 - 12/06	**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.

Firm employed by: Volkert, Inc.

Charles "Robert" Chambless Jr., CBI, CTI | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	3
		Years of relevant experience with other employer(s)	28
Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Chambless 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 years of experience specified in the applicable MPR(s).

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 Safety Inspection of In-Service Bridges
- NHI Culvert Inspection
- NHI Bridge Painting Inspection
- NHI Stream Stability and Scour at Highway Bridges for Bridge Inspectors
- NHI Stream Stability Factors and Concepts
- NHI Fracture Critical Inspection Techniques for Steel Bridges
- NHI Underwater Bridge Inspection
- NHI Underwater Bridge Repair, Rehabilitation, and Countermeasures
- NHI Tunnel Safety Inspection
- NHI 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-Ongoing	**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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
2021 - Ongoing	**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.
01/21 - 11/23	**Underwater Bridge Inspection Services, South Carolina Department of Transportation (SCDOT).** Mr. Chambless served as Assistant Bridge Inspector. Volkert teamed with Collins Engineering and was tasked with conducting hands-on underwater inspections of all substructure units using certified divers, from the highwater mark to the channel bottom. Divers performed a Level I inspection on 100% of the underwater element, and Level II visual/tactile inspections that included cleaning marine growth at the waterline, mid-depth, and channel bottom to facilitate an evaluation of the underlying surfaces.
2015 - Ongoing	**Mobile County, Alabama Bridge Inspection Program.** Mr. Chambless serves as Team Leader. 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. Bridges include prestressed concrete girders, reinforced concrete girders, steel girders, concrete and steel pipe culverts, concrete box culverts, and timber stringers. Beginning in 2015, the inspections and reports were converted to element-level in accordance with the NBIS. Volkert is also responsible for assessing the streambed for scour to determine the structure's stability for future storm events, and designing scour countermeasure systems. Volkert also serves as the client representative when bridge data is audited by the State Maintenance Department.

Firm employed by: Volkert, Inc.

Jeffrey "Todd" Powell, CBI | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	16
		Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Powell 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 years of experience specified in the applicable MPR(s).

Mr. Powell joined Volkert in 2006 and has 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

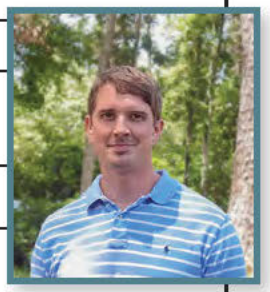
07/05-Ongoing	**Nationwide Bridge Inspection Services for the Eastern Federal Lands Highway Division (EFLHD) of the Federal Highway Administration (FHWA).** Scour Evaluations, Team Leader, Underwater Inspector. Volkert was selected in 2005, 2010, and again in 2015 to provide NBIS and Pontis element level 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-Ongoing	**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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
08/13-Ongoing	**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.
2006-2019	**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.

Firm employed by: Volkert, Inc.

Corey Boss, CBI | *Bridge Inspection Team Leader*

Years of relevant experience with this employer	11
Years of relevant experience with other employer(s)	0



Degree(s) / Years / Specialization	AS / 2013 / Drafting and Design	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Boss 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 years of experience specified in the applicable MPR(s).

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:

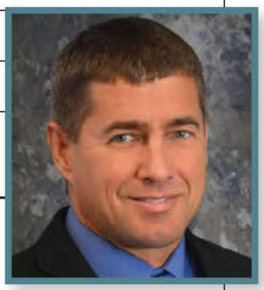
- NHI Safety Inspection of In-Service Bridges
- Open Water Diver, SSI International, 2020

09/20 - Ongoing	**Statewide Underwater Bridge Inspection for the Mississippi Department of Transportation.** Level I and Level II underwater inspections are being performed on steel, concrete, and timber substructure elements of bridges owned and maintained by MDOT. Performed initial and routine underwater inspections of 33 culverts and bridges in Bolivar, Carrol, Holmes, Sunflower, Tallahatchie, Warren, and Yazoo Counties.
2019 - Ongoing	**Assistant Bridge Inspector/Drafter, Complex Bridge Inspection Consulting Engineering Contract, for the Office of State Aid Road Construction.** 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.
2016 - Ongoing	**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 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: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
2017-Ongoing	**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.

Firm employed by: Volkert, Inc.

Anthony Bibelhauser, CBI | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	22
		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a



Contract role(s) / brief description of responsibilities:
Mr. Bibelhauser 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 years of experience specified in the applicable MPR(s).

Mr. Bibelhauser has more than 30 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:

- NHI Bridge Inspection Refresher Training
- NHI Safety Inspection of In-Service Bridges
- NHI Fracture Critical Inspection Techniques for Steel Bridges
- NHI Inspection and Maintenance of Ancillary Highway Structures
- NHI Tunnel Safety Inspection

2018-Ongoing	**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	**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.
08/10-02/16	**Districtwide State Bridge Inspection, FDOT District 1.** Mr. Bibelhauser served as Bridge Inspector on this contract that called for routine, interim, and initial bridge inspections of approximately 800 bridges on the State Highway System, in compliance with National Bridge Inspection Standards (NBIS). Services included 800 routine biennial bridge inspections, 40 initial inspections, 40 new load rating calculations, 320 underwater inspections, 30 interim inspections, 16 fixed and movable inspections, 16 annual movable inspections, and 210 culvert inspections. Reports were created in a Pontis format and included the inspection report addendum. MOT services were also provided.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
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.

Firm employed by: Volkert, Inc.

Luke Chambless, ADCI | *Bridge Inspection*		Years of relevant experience with this employer	4
		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Chambless 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 years of experience specified in the applicable MPR(s).

Mr. Chambless has 4 years of experience in the diving industry as an assistant 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:

- Association of Commercial Diving Contractor (ADCI) qualified as Tender/Diver.

12/20 - Ongoing	**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.
12/20 - Ongoing	**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.
12/20 - Ongoing	**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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
12/20 - Ongoing	**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.
12/20 - Ongoing	**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.

Firm employed by: Volkert, Inc.			
Davey Smith | *Bridge Inspection*		Years of relevant experience with this employer	6
		Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Smith 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 years of experience specified in the applicable MPR(s).
Mr. Smith has over 40 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 - Ongoing	**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 - Ongoing	**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.

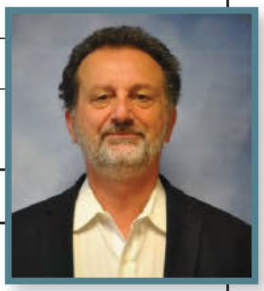
Firm employed by: Volkert, Inc.			
Will Valentine, EI | *Bridge Inspection*		Years of relevant experience with this employer	3
		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS | 2021 | Civil Engineering	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Valentine will perform bridge inspections as an assistant 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 years of experience specified in the applicable MPR(s).
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.	
05/21 - Ongoing	**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.
05/21 - Ongoing	**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.

Firm employed by: Volkert, Inc.

Hossein Ghara, PE, MBA | *Structural / Bridge Design Engineer*		Years of relevant experience with this employer	6
		Years of relevant experience with other employer(s)	44
Degree(s) / Years / Specialization	MBA |1986 |Business Administration BS |1976 |Civil Engineering	Year registered	1980
Active registration number / state / expiration date	18899 | LA | 3/31/2025	Discipline	Civil



Contract role(s) / brief description of responsibilities:
Mr. Ghara will be serving as Structural / Bridge Design Engineer and will perform structural/bridge design engineering or review construction related RFI's.

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
Prior to joining Volkert in September 2018, Mr. Ghara worked for a consulting engineering firm for over 4 years. Prior to that, he served as the LADOTD State Bridge Engineer for 12 years. In this capacity, he administered and managed a major Section in Louisiana LADOTD 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.	
09/22 - 09/27 (est.)	**District 04 IIJA Off-System Bridge Program, LADOTD.** Volkert has been selected to assist the LADOTD in the selection of eligible bridge structures to be replaced, designed, and constructed under the Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program. Mr. Ghara is the Senior Project Manager assisting in the Phase 1 preliminary screening matrix and bridge selection process based on a set budget provided; ultimately moving the selected bridges to construction while coordinating with the LADOTD and local stakeholders. Volkert is performing Hydraulic Analysis and Bridge Design services. Volkert will evaluate each site and provide a recommended drainage alternate type and applicable dimensions, as well as perform the hydraulic design of the drainage structure in accordance with the LADOTD Hydraulic Design Guidelines for the Off-System Bridge Replacement and Rehabilitation Program manual
02/20 - 08/24 (est.)	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements, Plaquemines 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	**I-220/I-20 Interchange Improvements to BAFB Access Design-Build, Bossier Parish, LA for the 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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
04/18 - 01/20	**I-12 to Bush: LA 435 - LA 40/LA 41 for T. Baker Smith and the LADOTD.** As a sub-consultant to T. Baker Smith, Volkert provided bridge and road design services as necessary to complete the submittal of Stage 3 Design, Part III Preliminary Plans. Volkert was responsible for the review of the environmental study, traffic date, parish maps, aerial photos, and LADOTD roadway classification.
05/19 - 07/20	**I-12 Widening (US 190 to LA 59) Route I-12, St. Tammany Parish for T. Baker Smith, LLC and the LADOTD.** Mr. Ghara served as Structural Engineer. Volkert is responsible for bridge design, road design, and ICE/CPM which includes all engineering services necessary to complete the submittal of Stage 3 Design, Part III, Preliminary Plans and Part IV, Final Plans. This project is to widen and rehabilitate I-12 to the median side from a four lane freeway to a six lane freeway section in both the East and Westbound direction. The project begins just west of US 190 and ends just east of LA 59 for approximately 4 miles.
06/20 – 8/24	**Causeway Shoulder Bay Improvements, Jefferson Parish, LA for Greater New Orleans Expressway Commission.** Mr. Ghara's served as Structural Engineer and his responsibilities include 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. This project was executed using the CMAR alternative delivery method, a first for the State of Louisiana.
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.
09/18 - 06/19	**US 90 (I-49 South) Albertson Parkway to Ambassador Caffery Design-Build, Lafayette Parish, LA (LADOTD).** 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.
Prior to Joining Volkert	Mr. Ghara served as the Louisiana LADOTD State Bridge Engineer for 12 years. In this capacity, administered and managed a major Section in Louisiana LADOTD 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. Mr. Ghara oversaw the State's Bridge Preservation Program which resulted in an average yearly bridge construction program of $180M in addition of $50 to $100M of On and Off System Bridge Construction projects. Mr. Ghara oversaw Four Structural Design offices, each managed by an administrator serving the State Bridge Engineer as assistants. Consultant Management, Bridge Rating, Mechanical Engineering, Electrical Engineering. As State Bridge Engineer, he was the primary and the only voting member of the American Association of State Highways and Transportation Officials AASHTO Subcommittee on Bridges and Structures. While serving as State Bridge Design Engineer, he participated in the replacement and restoration of several major bridge structures such as the 1-10 Twin Spans, US 90 Vertical Lift Bridge over the Inner Harbor Navigation Canal in Danziger, US 11 Bridge over Lake Pontchartrain and several other Movable Bridges.

Firm employed by: Volkert, Inc.

Jacob Parker, PE | *Structural / Bridge Design Engineer*		Years of relevant experience with this employer	4
		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization	BS | 1998 | Civil Engineering	Year registered	2003
Active registration number / state / expiration date	30596 | LA | 9/30/2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Parker will be serving as Structural / Bridge Design Engineer and will review structural/bridge design submittals or construction related RFI's.

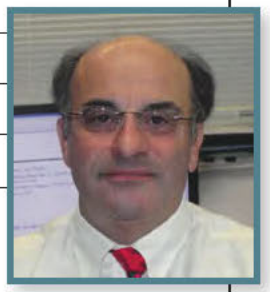
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
Mr. Parker has over 20 years of structural 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.	
11/23 - 11/27 (est.)	**IH 35, Capital Express North, TxDOT, Travis County, TX.** Volkert is providing services for this $607M reconstruction project, which will improve operational efficiency by relocating ramps and adding one managed lane in each direction on IH 35, capacity to the frontage roads, and a shared-use path. The interchange at Wells Branch Pkwy will be converted into a diverting diamond interchange (DDI), and the new shared-use path will improve bicycle and pedestrian accommodations along IH 35 frontage roads and at east/west crossings.
02/20 – 08/24 (est.)	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements, Plaquemines 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	**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LADOTD).** 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.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
05/19 - 12/21	**I-220/I-20 Interchange Improvements to BAFB Access Design-Build, Bossier Parish, LA (LADOTD).** 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	**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.
06/18 – 02/21	**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.
01/22 - 01/23	**Reconstruction of the Chalmette Slip, Wharves A & F | St. Bernard Port Harbor & Terminal District St. Bernard Parish | Arabi, LA.** Mr. Parker served as Engineer of Record for Design which consisted of demolition and reconstruction of remaining original wharves at the Arabi Terminal. Reconstruction consisted of cast in place deck on precast concrete girders resting on precast concrete caps and supported by large diameter steel pipe pile bents supporting loads from 750 psf to 1000 psf or wheel loads from fully loaded forklift. Precast prestressed concrete box beams were used as edge beams and designed to take lateral loads from the berthing of ships. Bents were designed to absorb mooring loads and berthing loads. An upper and lower combination fender system was developed to handle both large vessels (upper) and barges (lower) so as to protect the superstructure and substructure from vessel impact. At grade portions of the wharves consisted of timber pile supported concrete slab designed to support 1000 psf or wheel loads from a fully loaded forklift, whichever controlled. Wharves were designed to comply with the following design codes and specifications: Various Port Facility Related Uniform Facilities Criteria (UFC), International Building Code (IBC), American Concrete Institute (ACI), and American Society of Civil Engineers (ASCE) Design of Marine Facilities Specification.

Firm employed by: Volkert, Inc.

Artur D'Andrea, PE | *Structural / Bridge Design Engineer*

Years of relevant experience with this employer	<1
Years of relevant experience with other employer(s)	45



Degree(s) / Years / Specialization	BS | 1978 | Civil Engineering	Year registered	1983
Active registration number / state / expiration date	20561 | LA | 9/30/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. D'Andrea will be serving as Structural / Bridge Design Engineer and will review structural/bridge design submittals or construction related RFI's.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
Mr. D'Andrea joined Volkert in 2023 as a civil engineer. Mr. D'Andrea has a strong background in the structural design and details of bridges and buildings. As a previous employee of LADOTD he served as Louisiana Assistant Bridge Design Engineer and was in charge of three separate teams, Bridge Design, Bridge Rating and Permit Evaluation. Bridge Design Teams, County Bridge Replacement Program.	
11/23 - 11/27 (est.)	**IH 35, Capital Express North, TxDOT, Travis County, TX.** Volkert is providing services for this $607M reconstruction project, which will improve operational efficiency by relocating ramps and adding one managed lane in each direction on IH 35, capacity to the frontage roads, and a shared-use path. The interchange at Wells Branch Pkwy will be converted into a diverting diamond interchange (DDI), and the new shared-use path will improve bicycle and pedestrian accommodations along IH 35 frontage roads and at east/west crossings.
04/23 - 09/27 (est.)	**District 04 IIJA Off-System Bridge Program, LADOTD.** Volkert has been selected to assist the LADOTD in the selection of eligible bridge structures to be replaced, designed, and constructed under the Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program. Volkert is performing Hydraulic Analysis and Bridge Design services. Volkert will evaluate each site and provide a recommended drainage alternate type and applicable dimensions, as well as perform the hydraulic design of the drainage structure in accordance with the LADOTD Hydraulic Design Guidelines for the Off-System Bridge Replacement and Rehabilitation Program manual
Prior to Joining Volkert	**Louisiana Department of Transportation Development, Louisiana Assistant Bridge Design Engineer.** In charge of three separate teams, Bridge Design, Bridge Rating and Permit Evaluation. Bridge Design Teams, County Bridge Replacement Program. Both project manager and designer-in-charge for the largest public works project in Louisiana, replacement of the I10 Twin Span Bridges. I10 project completed ahead of schedule and 100 million dollars below budget. Multiple type bridge rehabilitation projects. Including Mississippi River Bridge truss strengthening, lift span such as Danziger, emergency project replacements using conventional and specialized devices such as SPMT's. Design substructure repairs and retrofit. Including West Pearl River along I-59. Leader of 2008 hurricane damage assessment team. Covering 2400 miles and evaluating damage to many movable bridges in Louisiana. Project manager Mississippi River Bridge repairs, I-20. Including modification to main truss, piers, jacking operations, ground stability improvements, 24/7 GPS and SAA based movement detection and Tiger Grant manager. Project manager, Prien Lake Bridge Rehabilitation, I-210. Task manager for the addition of an exit at I-110 bridge, Terrace Ramp. Bridge representative for various Interstate projects using the innovative project procurement method. Managed the LADOTD rating group during the period of LRFR implementation. Including developing a plan for FHWA's Metrics compliance. Strengthening the rating unit to execute the plan, and to better screen Louisiana overload permits. AASHTO T-18 member. Defending the Owners point of view with MBE chapters rewrite. Implementation of LRFR, creation of the bridge element inspection manual, strategies for NBIS metrics compliance and the new bridge data collection system known as SNBI.

Firm employed by: Volkert, Inc.

Ahmed Rageh, PhD, PE | *Structural / Bridge Design Engineer*		Years of relevant experience with this employer	2
		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization	PhD |2020 | Civil Engineering MS | 2018 | Civil Engineering, Structures MS | 2012 | Civil Engineering BS | 2006 | Civil Engineering	Year registered	2023
Active registration number / state / expiration date	47953 | LA | 9/30/2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Rageh will be serving as Structural / Bridge Design Engineer and will review structural/bridge design submittals or construction related RFI's.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
Dr. Rageh has 14 years of experience in structural engineering with special emphasis on design and behavior of steel structures and bridges. He participated in designing and detailing of steel and post-tensioned bridges as well as designing, detailing and construction supervising of steel sutures. He has in-depth knowledge of several national and international design codes including AASHTO, ACI, AISC, and PCI. Mr. Rageh's certifications include: Bridge Inspector Team Leader: Passed FHWA-NHI-130055 Safety Inspection of In-Service Bridges	
06/23 - Ongoing	**IH 10 at US 69 Highway Bridge, TXDOT, Jefferson, TX.** Mr. Rageh serves as Structural Engineer. This project involves the US 69 Highway Bridge, which is composed of prestressed concrete spans as well as composite steel girder spans. The steel spans eight, nine, and ten are supported over integral steel straddle bents spanning 150 feet. Mr. Rageh's responsibilities include performing 3D finite element analyses of steel spans eight to 10 to evaluate straddle bents stresses; performing nonlinear-plastic analyses to ensure the redundancy of the straddle bents; designing/detailing main span steel girders connections with integral straddle bents; and performing QAQC reviews of the steel straddle bents design.
05/23 - 06/23	**Rehabilitation of I-10 Bridge over Mississippi River, DOTD, Baton Rouge, LA.** Mr. Rageh serves as Project Manager. This project involves the rehabilitation of the steel spans of the I-10 bridge, which are deteriorating and contain cracks localized over supports. The project involves reviewing as built plans; performing site visits and field verification inspection for deteriorated regions; performing 3D finite element to determine the cause of cracking; and providing repair recommendations. Mr. Rageh's responsibilities also included lead-ing the verification field inspection; leading/performing the 3D finite element analyses with shell elements; leading report preparation and proposing repair derails; and reviewing repair plans prepared by junior engineers.
08/22 - 05/23	**Load Rating of 114 Bridges, LADOTD.** Mr. Rageh serves as Structural Engineer. This project involves the load rating of 114 existing bridge structures by the Load and Resistance Factor Rating method (LRFR). Bridge types included prestressed concrete girder bridges, steel girder bridges, precast and CIP slab bridges, swing bridges. Three-dimensional finite element modeling is being used as necessary for complex bridges. Mr. Rageh's responsibilities include performing load rating for prestressed concrete box girder bridges; leading other team members in rating prestressed concrete and multi-steel beam segments; and developing methodology, performing analyses, and developing a Mathcad file to rate inverted T caps with the Strut-and-Tie model.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
05/22 - 02/23	**Load Testing and Evaluation of 19 Bridges, LADOTD.** Mr. Rageh served as Structural Engineer. This project's scope of work was to evaluate 19 bridge structures that are posted for a load lesser than the Legal Loads and/or Special Hauling Vehicles. The evaluation was carried out utilizing load rating analysis and load testing coupled with detailed 3-D Finite Element Analysis with the aim of removing current load posting. Mr. Rageh's responsibilities included perform QA/QC on analyses and the final report prepared by other team members.
02/22 - 08/22	**Venetian Causeway Bridge, FL, FDOT.** The scope of work was to evaluate the arched concrete bridge segments that are posted for a load lesser than the Legal Loads and/or Special Hauling Vehicles. The evaluation was carried out utilizing load rating analysis and load testing coupled with detailed 3-D finite Element Analysis with the aim of removing current load posting. Mr. Rageh responsibilities included performing finite element analysis, developing instrumentation planning, and review/validation of diagnostic load testing results, and preparing final reports and commencement of results.
07/21 – 03/22	**Hard Rock Stadium Pedestrian Bridge, City of Miami Gardens, FL.** Mr. Rageh served as an Independent Peer Reviewer. This project involved the Hard Rock Stadium's Pedestrian Bridge which crosses over the Turnpike Access Road as a single span, prefabricated truss-type bridge with a total length of 207 feet. The scope of work included carrying out an Independent Peer Review (IPR) of the bridge design to ensure that the bridge could sustain the original design loads and the additional loads imposed by new signs mounted to the bridge in accordance with FDOT Design Manual (FDM). Mr. Rageh's responsibilities included performing the structural analysis and performing independent design checks of the truss member and connections.
05/21 – 09/22	**MacArthur Interchange Phase II, LADOTD.** Mr. Rageh served as an Independent Peer Reviewer and QA/QC. This project involved two new, on-ramp and off-ramp connections between the eastbound of the elevated West Bank Expressway (US 90-Z) and Frontage Road; demolishing the existing off-ramp; and widening the US 90-Z bridge structure to accommodate the new ramps. Mr. Rageh's responsibilities included performing analysis and design of overhead sign structures, performing quality control for deck design developed by intern engineers, performing quality control for Strut-and-Tie analyses of critical substructure elements, and leading intern engineers in risers, pier caps and bents elevations calculations.
09/20 – 02/21	**Load Rating of 396 Bridges, LADOTD.** Mr. Rageh served as an Independent Peer Reviewer. This project involved load rating 396 off-system bridge structures using LRFR. Bridge types included prestressed concrete girder bridges, steel girder bridges, precast and CIP slab bridges, concrete culverts, swing bridges, and timber bridges. Three-dimensional finite element modeling is used as necessary for complex bridges. Mr. Rageh's responsibilities included performing load rating for cast-in-place concrete culverts and performing QA/QC for cast-in-place concrete culverts rated by other team members.
08/15 – 05/20	**Bridge and Laboratory Testing, Union Pacific, Nebraska Department of Roads and Louisiana Transportation Research Center (LTRC).** Mr. Rageh performed this work while completing his PhD. The work involved hands-on bridge testing and monitoring. He was responsible for full-scale live load field and laboratory testing as well as structural health monitoring. He also performed full-scale testing for railway and roadway bridges with steel and concrete main carrying systems. The field work activities included preparing instrumentation plans, sensor installation, data collection, and deploying long-term monitoring system. The office work activities included collected data processing and developing calibrated 3D finite element models.

Firm employed by: Volkert, Inc.

Gabriel Rice, EI | *Structural / Bridge Design Engineer Intern*		Years of relevant experience with this employer	1
		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS | 2022 | Civil Engineering	Year registered	2022
Active registration number / state / expiration date	35152 | LA | 9/30/2024	Discipline	Civil EI

Contract role(s) / brief description of responsibilities:
Mr. Rice will be serving as Structural / Bridge Design Engineer Intern and as an assistant inspector.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
Mr. Rice brings over two years of hands-on experience in water resources and bridge design and provides support on bridge inspection, bridge design, and program management.	
09/22 - 09/27 (est.)	**District 04 IIJA Off-System Bridge Program, LADOTD.** Volkert has been selected to assist the LADOTD in the selection of eligible bridge structures to be replaced, designed, and constructed under the Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program. Volkert is performing Hydraulic Analysis and Bridge Design services. Volkert will evaluate each site and provide a recommended drainage alternate type and applicable dimensions, as well as perform the hydraulic design of the drainage structure in accordance with the LADOTD Hydraulic Design Guidelines for the Off-System Bridge Replacement and Rehabilitation Program manual.
07/23 - Ongoing	**I-565 Bridge Widening (Mobile, AL)** As a Structural Engineer Intern, Mr. Rice played a crucial role in the I-565 Bridge Widening project. My responsibilities included making final adjustments to bridge plans using Microstation and estimating quantities for various bridge components like concrete and steel. This project represents a significant enhancement in Mobile's infrastructure, ensuring both safety and efficiency in bridge design.
07/23 - Ongoing	**Reconstruction of Wharf A and Wharf F, Port of Chalmette (Chalmette, LA)** Mr. Rice assisted ind correcting design plans using AutoCAD and analyzing pile data to ensure design strength compliance.
08/23 - 09/23	**Plank Road Relocation (Baton Rouge, LA)** Mr. Rice's responsibility was making plan corrections using AutoCAD. This role demanded precision and expertise in design software, contributing to the project's success within a limited timeframe.

Firm employed by: Volkert, Inc.

Sandy Sumner | *Data Management*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization	BS | 1989 | Business Management	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

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 years of experience specified in the applicable MPR(s).
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.	
2012 - Ongoing	**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.
2017 - Ongoing	**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.
04/16 - 06/22	**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.
2013 - Ongoing	**Technician, Timber Bridge Inspection IDIQ Master Contract, for the Office of State Aid Road Construction (OSARC).** Beginning 2013, The work assignments included any timber substructure 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.

Firm employed by: Volkert, Inc.

Steven Armstrong, PE, CBI, ADCI | *Assistant Project Manager/Bridge Inspection Team Leader*		Years of relevant experience with this employer	2
		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	B.S. | 2015 | Civil Engineering M.S. | 2021 | Civil Engineering	Year registered	2020
Active registration number / state / expiration date	44405 / Louisiana / 9/30/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Armstrong will be providing the Assistant Project Manager and will provide bridge inspection and load rating services.

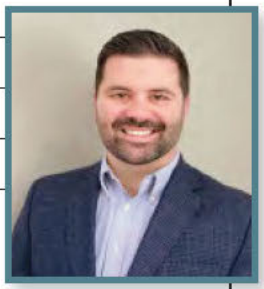
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
Mr. Armstrong brings over 10 years of experience and has a strong background in the construction oversight of coastal and ecological construction projects, proposal writing and budget creation, project management, safety inspection of bridges, bridge load ratings, and a wide variety of infrastructure assessments. He has particular expertise in the structural inspection of overhead ancillary sign structures; submerged structural inspections of infrastructure including bridges, wharves, weirs, rock dikes/jetties, concrete and timber foundations; and high-resolution acoustic imaging of underwater structures.	
2005 - Ongoing	**Louisiana Department and Transportation and Development (LADOTD), IIJA Off-System Bridge Replacement Program; District 04, Louisiana.** Engineer who assists in the implementation and management of the LADOTD's Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program (OSBR). Initial services for this project included site screening and bridge selection for replacement based on matrix/spreadsheet cataloging specific site information in order to select the structures that meet the program timeline and budget.
10/21 – 02/22	**Louisiana Port of New Orleans (PONO) Harmony Street and 7th Street Wharf Inspection as part of the PONO Structural Inspection and Load Rating Contract, Louisiana.** Mr. Armstrong was the team leader for the inspection of the rail line adjacent to the wharf edge, including the substruction, superstructure, and rail condition rating per the AREMA guidelines. Volkert is tasked to review and analyze existing structural load ratings of the rail bridge and update the load rating if findings deem necessary.
12/23 – 05/24	**Louisiana Port of New Orleans (PONO) First Street Wharf and Nashville Wharf B Railroad Bridge Inspection as part of the PONO** Structural Inspection and Load Rating Contract, Louisiana. Mr. Armstrong was the Project Manager and Team Leader for the inspection of the rail line adjacent to the wharf edge, including the substruction, superstructure, and rail condition rating per the AREMA guidelines. Volkert is tasked to review and analyze existing structural load ratings of the rail bridge and update the load rating if findings deem necessary.
2014 – 2022 (Prior to Volkert)	**Louisiana Department of Transportation and Development (LADOTD) Underwater Bridge Inspection Contract (2020–2025), Statewide.** NBIS Team Leader for the five-year retainer contract to perform underwater bridge inspections throughout Louisiana, including 100 percent visual inspections of submerged elements in accordance with National Bridge Inspection Standards (NBIS) requirements. **Louisiana Department of Transportation and Development (LADOTD) Underwater Bridge Inspection Contract (2017–2021), Statewide**. NBIS Team Leader for the five-year retainer contract to perform underwater bridge inspections throughout Louisiana, including 100 percent visual inspections of submerged elements in accordance with National Bridge Inspection Standards (NBIS) requirements. **LADOTD Underwater Bridge Inspection Contract (2014-2019), Louisiana**. Member of the M&N inspection team for the five-year retainer contract to perform underwater bridge inspections throughout Louisiana, including 100 percent visual inspections of submerged elements in accordance with NBIS requirements.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
2020-2022	**Louisiana Department of Transportation and Development (LADOTD) IDIQ Contract for In-Depth Bridge Inspections, Statewide (Subconsultant to HNTB).** Member of the M&N inspection team for the current IDIQ contract to perform routine bridge inspections throughout Louisiana, including 100 percent visual inspections in accordance with National Bridge Inspection Standards (NBIS) requirements. • Task 1, HNTB LADOTD In-Depth Bridge Inspection Statewide. Team member, tasked to perform a complex bridge inspection of the cable-stayed Audubon Bridge above the deck utilizing rope access techniques in St. Francisville, LA. Drone pilot responsible to collect overview inventory photos. 10938 • Task 2, HNTB LADOTD In-Depth Bridge Inspection Statewide. Team member, tasked to perform a complex bridge inspection of the Cantilever Truss I-10 above the deck utilizing rope access techniques in Baton Rouge, LA. Drone pilot responsible to collect overview inventory photos. 10938
2020-2022	**Louisiana Department of Transportation and Development (LADOTD) IDIQ Contract for In-Depth Bridge Inspections, Statewide (Subconsultant to Gresham Smith).** Member of the M&N inspection team for the current IDIQ contract to perform routine bridge inspections throughout Louisiana, including 100 percent visual inspections in accordance with National Bridge Inspection Standards (NBIS) requirements. • Task 1, Gresham IDIQ Contract for In-Depth Bridge Inspection Statewide. Team member, tasked to perform an in-depth bridge inspection of the inside of a segmental concrete box girder in Boyce, LA. Steven helped set up to provide access to the sight using man-lifts and fall protection techniques to prepare for the confined space inspection. 10801-01 • Task 4, Gresham IDIQ Contract for In-Depth Bridge Inspection Statewide. Team member/Team leader, tasked to perform an in-depth bridge inspection of movable bridges as part of a team including structure, mechanical, and electrical engineers. Steven was part the report team to develop the in-depth inspection report and input into the LADOTD AssetWise bridge management program. 10801-04 • Task 5, Gresham IDIQ Contract for In-Depth Bridge Inspection Statewide. Team member tasked to perform an in-depth bridge inspection of the Vicksburg, Mississippi I-20 truss bridge over the Mississippi river. Steven used rope access techniques to access the underside of the deck elements along with supplementing UAS operations at the bridge site. Steven was part the report team to develop the in-depth inspection report and input into the LADOTD AssetWise bridge management program. 10801-05
2015-2022	**LADOTD Statewide Inventory and Inspection of Sign Trusses (2020-2025), Louisiana.** Project manager and team leader for the five-year retainer contract to perform approximately 1,550 overhead sign truss inspections and rehabilitation designs throughout Louisiana. Ancillary inspections include steel and aluminum welds, high stress moment connections, and fracture critical elements in accordance with FHWA guidelines. Team performed Level III inspections with ultrasonic testing on bolted connections, mag particle testing on steel welded connections, and dye penetrant testing on aluminum-welded connections. Mr. Armstrong is also responsible for the general day to day project logistics. He performs quality assurance/quality control reviews on inspections reports. 11168-01 • LADOTD Ancillary Sign Inspection Manual. Co-author/editor for the development of the ancillary sign inspection manual. • LADOTD Ancillary Database Platform. Co-author/editor for the development of the ancillary sign inspection database platform and GIS based platform. • LADOTD Construction Acceptance Inspections. Steven's team was responsible for the construction QA inspection of newly erected ancillary sign trusses throughout Louisiana.
2015-2022	**LADOTD Statewide Inventory and Inspection of Sign Trusses (2015-2020), Louisiana.** Assistant project manager and team leader to perform approximately 1,400 overhead sign truss inspections and rehabilitation designs throughout Louisiana. Ancillary inspections include steel and aluminum welds, high stress moment connections, and fracture critical elements in accordance with FHWA guidelines. Team performed Level III inspections with ultrasonic testing on bolted connections, mag particle testing on steel welded connections, and dye penetrant testing on aluminum-welded connections. Performed quality assurance/quality control reviews on inspections reports. 8973-01 • LADOTD Ancillary Sign Inspection Manual. Co-author/editor for the development of the ancillary sign inspection manual.

Firm employed by: Volkert, Inc.

Jonathan Gambino, PE, PTOE, RSP1 | *Project Engineer / Traffic*

Years of relevant experience with this employer	4
Years of relevant experience with other employer(s)	8



Degree(s) / Years / Specialization	BS | 2012 | Civil Engineering	Year registered	2017
Active registration number / state / expiration date	41496 | LA | 9/30/2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Gambino will provide traffic engineering services or reviews for 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 years of experience specified in the applicable MPR(s).

Mr. Gambino joined Volkert in 2020 and has 10 years of experience developing civil and traffic engineering plans, specifications, and studies. This includes identifying and adhering to applicable state policies and procedures for project plan development. His experience includes the use of MicroStation, InRoads, AASHTOWare Project, VISSIM, Vistro, Synchro plus SimTraffic, Sidra Intersection, HCS, Tru-Traffic, AutoCAD, ACAD Civil 3D, CORSIM, TEAPAC, and TS/PP Draft programs. Mr. Gambino's certifications include:

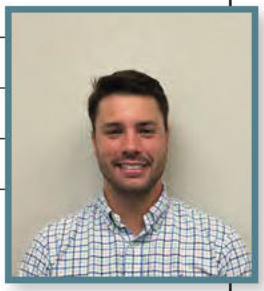
PTOE (#4433)
RSP1 (#587)
Traffic Engineering Analysis Process & Report, Module 1, 2, 3 (2019)
ATSSA Flagger Certification
ATSSA Traffic Control Technician Certification

07/21 - Ongoing	**IMR Highland Road to LA 73, East Baton Rouge and Ascension Parishes, LADOTD** | The interchange of I-10 at LA 42 (Highland Road) has been experiencing capacity issues as well as queuing along Highland Rd. The purpose of the Interchange Modification Report (IMR) is to analyze the existing roadway network and identify the best alternative to improve capacity at I-10 and Highland Rd interchange as well as any alternatives to improve Highland Rd. The goal of the project is minimize queuing on to the interstate. Mr. Gambino was responsible for coordinating a significant amount of data collection such as 7-day volume and classification counts, a speed study, travel time study, and field observations. This information will be input into a VISSIM simulation model and calibrated to match the field conditions. This model will be used to help identify the best alternatives to improve capacity, increase safety, and reduce delay the Interchange at I-10 and LA 42 in both the interim and long-term stages.
2017 - 2021	**Owner Verification Services for College Drive Flyover Ramp (I-10/I-12 west) in East Baton Rouge Parish for the Louisiana Department of Transportation and Development (LADOTD)** | Mr. Gambino served as Traffic Engineer for this project that consisted of modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits. Volkert provided all necessary engineering services as part of this Design-Build/Owner Verification project. This included design reviews for bridges, roads, hydraulics, electrical and ROW Acquisition efforts as well as contract administration, scheduling, document control, and construction phase services. | SP No. 4400019680, S.P. No H.013897.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
02/20 –11/21	**Joe Sevario Road at LA 933 Roundabout, Ascension Parish, LA (sub to SJB Group, LLC for Ascension Parish)** | Mr. Gambino is serving as Traffic Engineer for this project. SJB provided civil engineering, survey, SUE services and Volkert provided engineering support including development of a traffic study and geometric layouts for this roundabout to alleviate congestion and delays along this corridor.
10/15 - Ongoing	**MacArthur Interchange Completion Phase II, Jefferson Parish, LA (LADOTD)** | Mr. Gambino is serving as Traffic Engineer for this project. This project includes the removal of one-off ramp and the addition of another on and off ramp eastbound of the West Bank Expressway in New Orleans. He also has served as the QA/QC manager of the plans and design which has encompassed the review of the constructability of various design and detail options. An example is to recommend drilled shafts instead of driving piles to minimize interference with the ground traffic and problems with the vibration during pile driving and overrun pile pay quantities. The project presents several challenges to its designers given it requires the strategic removal of a portion of the existing bridge made of the prestressed concrete box girders and transitioning to its two new bridge ramps. Working within the existing right of way and managing the movement of traffic during construction is among other requirements and challenges. | S.P. No. H.011309.
08/17 - 02/20	**Plank Road, East Baton Rouge Parish, LA (Baton Rouge Metropolitan Airport)** | Mr. Gambino served as Traffic Engineer for the design of Plank Road (the new alignment). This is project is 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. This project is an Airport project, funded by FAA, but the road will be transferred to LADOTD.
09/20 - 09/21	**Oak Harbor Bridge Repair for LADOTD** | Mr. Gambino served as Project Manager. The bridge was struck by an excavator on a lowboy and several of the girders were damaged. Volkert provided a design and plans to repair the Oak Harbor bridge over I-10. The repair was designed is an in-place repair for any damaged prestressed girders as a result of the accident. Volkert followed the processes and procedures required by LADOTD to authorize the in-place repair. As a subconsultant to Kort Volkert reviewed as-build drawings and current inspection reports for the bridge prior to design, participated in field visits to perform damage assessments, and prepared a recommendation report that detailed the damages and load rating analysis to verify current capacity with current stresses on the structure. Volkert also provided as needed construction administration during the repairs.
06/17 - 06/18	**I-10 Widening Design/ Williams Blvd. Interchange to Veterans Blvd. Interchange** | Mr. Gambino served as Project Engineer. This project involved the widening of I-10 between the Williams Boulevard and Veterans Boulevard interchanges in Jefferson parish. The total project length was 1.85 Miles. The project consisted of constructing one 12' additional lane with a 12' inside shoulder along I-10 eastbound and westbound roadways with median barrier. Additionally, an auxiliary lane was added to the outside of the eastbound roadway from the entrance at Power Boulevard to the exit at Veterans Boulevard. As a part of this project, the existing bridges over Canal No. 3 and Veterans Boulevard were replaced, and sound barriers were constructed on the north side of the I-10 westbound bridges. Volkert was responsible for the development and road design, drainage design and Traffic Management Plans.

Firm employed by: Volkert, Inc.

Angelo "Trey" Pecoraro, EI	*Engineer Intern/Traffic*	Years of relevant experience with this employer	1
		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	BS | 2022 | Civil Engineering	Year registered	2017
Active registration number / state / expiration date	35212 | LA EI | 03/31/2025	Discipline	Civil



Contract role(s) / brief description of responsibilities:
Mr. Pecoraro will provide traffic engineering services or reviews for 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 years of experience specified in the applicable MPR(s).
	Mr. Pecoraro serves as an Engineering Intern for Volkert's New Orleans practice and has 2 years of experience in both construction and design for several projects in Louisiana including: bridge construction, in-service bridge inspection, roadway construction, retaining wall construction, traffic studies/ analyses, and safe street action plans. His responsibilities have included: project management, construction engineering and inspection, traffic count analysis, crash data analysis, quality control, and bridge inspection. Mr. Pecoraro's certifications include: ATSSA Flagger Certification ATSSA Traffic Control Technician Certification Traffic Engineering Analysis Process & Report, Module 1, 2, 3 (2019)
05/23 - 01/24	**North Pontchartrain at US 190 Traffic Analysis (St. Tammany Parish, LA).** Mr. Pecoraro served as an Engineering Intern tasked to provide traffic count analysis, crash data analysis, and make improvement recommendations for the project intersection under the supervision of a Professional Traffic Operations Engineer (PTOE). The traffic analysis was performed to analyze the Level of Service (LOS) and safety operation and offer recommendations to improve traffic operations and safety at the intersection now and into the future.
08/23 - 10/23	**Military Road/ Brownswitch Road Traffic Impact Analysis (St. Tammany Parish, LA).** Mr. Pecoraro serves as an Engineering Intern tasked to provide traffic count analysis, crash data analysis, and make improvement recommendations for the project segment (Military Road between Crawford Landing and Brownswitch road, 4 intersections in the segment) under the supervision of a Professional Traffic Operations Engineer (PTOE) due to the construction of a large single-family home subdivision. The traffic analysis was performed to analyze the Level of Service (LOS) and safety operations of the segment and offer recommendations to improve traffic operations and safety operations in the area now and into the future.
07/23 - 10/23	**City of Natchitoches Safe Streets for All (SS4A) Safety Action Plan (Natchitoches, LA).** Mr. Pecoraro serves as an Engineering Intern tasked to provide crash data analysis and to make project recommendations based on crash analysis results and existing conditions under the supervision of a Professional Traffic Operation Engineer (PTOE) for the Natchitoches SS4A project. The goal of the project is to significantly reduce or eliminate traffic fatalities and severe injury crashes in the city of Natchitoches.

Firm employed by: Volkert, Inc.

Ray Miller, PE | *Mechanical*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization	BS | 1991 | Civil Engineering MS | 1999 | Business	Year registered	2009
Active registration number / state / expiration date	34526 | LA | 09/30/2025	Discipline	Mechanical

Contract role(s) / brief description of responsibilities:
Mr. MIller will provide mechanical engineering services on this contract.

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
Mr. Miller has over 28 years of experience with municipal sludge dewatering facility design; lift station back up pump installation; new lift station construction/upgrades; wastewater plant rehabilitation projects; wastewater treatment plant upgrades; water treatment plant projects; water distribution system projects; structuring an annual maintenance contract; and lift station capacity upgrades.	
2020 - Ongoing	**Demo Basins C-7 and C-8** Systems Specialist. The Sewerage and Water Board of New Orleans' Carrollton Water Treatment Plant is in Orleans Parish at 8800 Claiborne Ave. The water plant is over 100 years old and provides water purification and power generation for the City of New Orleans. Volkert was tasked with the Demolition of C-7 and C-8 while preserving the active stilling basins which are adjacent and part of the existing water purification process. C-7 and C-8 were being used for sediment disposal of the sludge which was vacuumed from the active basins.
2020 - 2021	**Lift Station 21 Upgrades** Project Manager. Volkert was assigned this project by the City of Tuscaloosa. The project included preliminar and final design services for pump station upgrades and inclusion of a 2- million-gallon side stream storage tank. The scope of the pump station upgrades includes new dry weather pumps, new wet weather pumps, the sidestream storage tank, a new diesel generator, and a complete new electrical and control system.
2023 - Ongoing	**Wastewater Modeling for a Capacity Study for Heritage Crossing** Systems Specialist.Volkert is under contract to the City of Gonzales on an ongoing basis to maintain the City of Gonzales sewer model as required by the City. This includes the addition of new wastewater infrastructure to the model such as gravity mains, forcemains, manholes, pump stations, and any upgrades to the existing infrastructure. The re-routing of forcemains to enhance the current function of the infrastructure.

Firm employed by: Volkert, Inc.

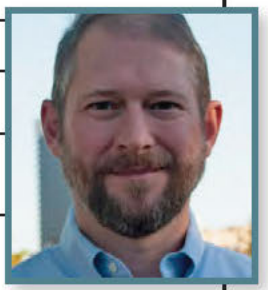
William Tucker, PE | *Electrical Engineer / Lighting*		Years of relevant experience with this employer	1
		Years of relevant experience with other employer(s)	44
Degree(s) / Years / Specialization	BS | 1970 | Accounting BS | 1980 | Electrical Engineering	Year registered	2015
Active registration number / state / expiration date	39846 | LA | 03/31/2026	Discipline	Electrical

Contract role(s) / brief description of responsibilities:
Mr. Tucker will serve as the senior Electrical Engineer for 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 years of experience specified in the applicable MPR(s).
Mr. Tucker has more than 44 years' experience as an Engineer, and 37 years as a Professional Electrical Engineer in the design and Construction of healthcare, industrial, governmental, military, private, and commercial infrastructures.	
08/23 - 12/24 (est.)	**US 84 Eastbound and Westbound Mississippi River Bridges at Natchez Exterior Lighting for Steel Truss Spans across the Mississippi River, Natchez, MS.** Volkert is providing coordination and environmental documentation services which will allow the Federal Highway Administration (FHW A) to issue a Categorical Exclusion (CE) per MDOT/FHWA Programmatic Agreement for the project, prepare plans, specifications/special provisions, bid proposal, and cost estimate for the installation of the lighting system on the exterior of each of the two Mississippi River Bridges at Natchez, Mississippi. The lights shall be mounted on the existing outer mounting brackets of each bridge and shall illuminate the exterior of each bridge truss only.
12/23 - 03/24	**Madison Parish Port Commission Building Upgrades for Rail-car Company.** Mr. Tucker is serving as Electrical Engineer. Madison Parish Port Commission is using a DRA Grant to remodel their existing building on Port Elevator Road for a new tenant (Railcar Company). The building is in need of electrical upgrades, crane recertifications, and roof repairs.
07/23 - 09/23	**St. Charles Parish Engineer's Canal Pump Station Design.** Mr. Tucker is serving as the Electrical Engineer. As a flood pump station, it is imperative to ensure that during times of disaster the pumping station will continue to operate. As the Electrical Engineer, Mr. Tucker is sizing a new stand-by generator to operate the newly improved pump station along with any other electrical upgrades needed to the monitoring system for the station.

Firm employed by: Volkert, Inc.

Ken Powers, PE | *Electrical Engineer / Lighting*		Years of relevant experience with this employer	15
		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	BS | 1996 | Electrical Engineering	Year registered	2015
Active registration number / state / expiration date	39559 | LA | 09/30/2025	Discipline	Electrical and Computer



Contract role(s) / brief description of responsibilities:
Mr. Powers will review electrical and lighting RFIs and perform inspections requiring an Electrical 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 years of experience specified in the applicable MPR(s).
Mr. Powers serves 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.	
05/19 - 12/21	**I-220/I-20 Interchange Improvements to BAFB Access Design-Build, Bossier Parish, LA (LADOTD).** Mr. Powers was responsible for electrical design review for Volkert's team. | State Contract No. 4400016173, S.P. No. H.003370.6.
07/18 - 06/20	**Causeway Shoulder Bay Design, Jefferson and St. Tammany Parishes, LA for the Greater New Orleans Expressway Commission.** Mr. Powers served as Electrical Design Review for the Causeway Shoulder Bay Design | Volkert was selected to design essential and long-awaited shoulder additions. The bridge shoulders, comprising 12 "bays," will provide a 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 Construction Manager at Risk (CMAR) alternative delivery method, a first for the state of Louisiana.
08/17 - 04/18	**I-10: Highland Road to LA 73 Design-Build, East Baton Rouge and Ascension Parishes, LA (LADOTD).** Mr. Powers served as Electrical Design Review for the Owner Verification Team (OVT). He was responsible for all electrical design review related to the design process on the 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 4, S.P. No. H.009250.
09/14 - 01/16	**I-10 Widening Design-Build: Siegen Lane Interchange to the Highland Road Interchange, East Baton Rouge Parish, LA (LADOTD).** This project consisted of widening I-10 from two-lanes in each direction to three-lanes in each direction (six-lanes total) with a 54-inch high center median single barrier or double barriers. Volkert is the lead design engineer and served as manager of design for the entire project by supervising all of the sub-consultants for the project. Electrical design services included the development of design plans to light the roadway for the entire length of the project and lighting underneath the bridge over the railroad. This project was awarded an ACI Merit Award. | S. P. No. 450-10-0159.
04/15 - 10/16	**Corridor X Lighting for the Alabama Department of Transportation (ALDOT).** Mr. Powers served as the project manager and was responsible for overall project completion. The project consisted of a high mast lighting design for a portion of Corridor X (Interstate 22) at the Interstate 65 interchange.

Firm employed by: Volkert, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
	The design included photometric analysis, voltage drop calculations, conduit and conductor sizing, and utility coordination.
11/11 - 01/16	**I-59/I-20 Bridge Rehabilitation for the Alabama Department of Transportation (ALDOT) in Jefferson County, Alabama.** Electrical Engineer. 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.
08/02 - 06/04	**Interchange Lighting at I-65/US 43 and Corridor X/US 78, for ALDOT.** The latter project consisted of the preparation of preliminary plans and final design for 10.5 miles of 8-lane freeway, including 6 interchanges, 5 grade separations, and a stream crossing. The preliminary design included bridges (prestressed girders on frame bents), roadway, hydraulic and detail traffic analysis, signing layout, cost estimates and public hearing presentation. 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.
02/20 – 08/24 (est.)	**LA 23: Belle Chasse Bridge and Tunnel (HBI) Improvements, Plaquemines Parish (LADOTD).** Mr. Powers is serving as the electrical 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.

Firm employed by: Volkert, Inc.

Randy Denmon, PE, PLS | *Survey*		Years of relevant experience with this employer	31
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	B.S. Mathematics, 1992 M.S. Civil Engineering, 1996	Year registered	1996 2001
Active registration number / state / expiration date	PLS.0004798, LA, 3/31/2025 PE.0029390, LA, 3/31/2025	Discipline	Electrical

Contract role(s) / brief description of responsibilities:
Mr. Denmon will be providing survey services, fulfilling MPR #11 of the RFP.

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
	Mr. Denmon has over 30 years' experience in civil engineering/construction management and land surveying, primarily as a Public Works and Flood Control Engineer. Mr. Denmon is a registered Civil Engineer and Surveyor in the State of Louisiana. Mr. Denmon has vast experience working on Water Resource, Flood Control, and Transportation projects, and well as Surveying. His experience includes: hydraulic design, construction management, analysis of water supply structures, watershed and stream modeling, and flood mapping. In his career, Mr. Denmon has been the lead engineer in flood mapping or stream modeling projects on over 50 major, named watersheds in Louisiana for such clients as: La. Department of Transportation, and other State Agencies, Watershed and Lake Districts, and many local governments. He has also managed dozens of roadway projects for the LADOTD and local governments. He is a certified LADOTD Project Manager. Mr. Denmon has extensive experience with Microstation, AutoCAD, Intergraph, and Bentley computer aided design applications, and the US Army Corps of Engineers' HEC-RAS and HMS hydrologic modeling programs.
07/22-1/23	**IDIQ Contract for Design of Safety Projects, Statewide With Majority Of Work In Districts 04, 05 And 58, LADOTD, Contract No. 4400019871.** Sub to Gresham Smith for Topographic and Right of Way Surveys. One Task Order Complete. Surveyor in charge of all survey work.
12/21-1/23	**IDIQ Contract for Louisiana Watershed Initiative (LWI) Modeling Contract, Region 3, LADOTD, State Contract No. 4400017069.** Sub to Wood for topographic surveying on streams and bridges. Four Task Orders for $1,426,244. Surveyor in charge of all survey work.
04/08-1/23	**H.007289 KANSAS LANE CONNECTOR, LADOTD.** Engineer of record for all design work to include geometric design, drainage and final plans for approximately 3 miles of new urban 4 and 5 lane roadway. Const. Cost Estimate: $43,000,000
1/17-9/21	**Contract No. 4400005894 Retainer Contract for Safe Routes to Schools (Srts) and Local Road Safety Program (LRSP), LADOTD.** Complete topographic and right of way surveys for six projects. Surveyor in charge of all survey work.
1/00-04/08	**SPN 700-64-0102; FAP No. STP-591-1(008); Jct. US 84 - Jct. LA 126; Route LA 34; Winn Parish, LADOTD,** Design, and Topographic and R-O-W surveys for the relocation and reconstruction of approximately 11 miles of rural state HWY 34. Engineer and surveyor on the project.
3/09-4/11	**SPN 742-37-0019, ARR 3709(504), LADOTD, Oliver Road Widening.** Widening and reconstruction of 1 mile of urban road from 2 land to 3 lanes. Engineer of record and surveyor in charge of topographic and right of way surveying.

Firm employed by: Volkert, Inc.

Clinton Patrick, PE, PLS | *Survey*		Years of relevant experience with this employer	9
		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	BS | 2012 | Civil Engineering	Year registered	2016 2023
Active registration number / state / expiration date	40919 | LA PE | 03/31/2025 5311 | LA PLS | 09/30/2025	Discipline	Civil Surveyor

Contract role(s) / brief description of responsibilities:
Mr. Patrick will be providing survey services.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
Mr. Patrick has 12 years' experience. His skills include Team 6 Project Management, Relationship Building, Critical Analysis, Strategic Planning, Delegation, Budgeting, HEC-RAS, Autodesk Storm 6 Sanitary Sewer Analysis, MicroStation, AutoCAD Civil 30. His certifications include: Class IV Wastewater Operator [Treatment 6 Collection)	
01/15 - 12/25	**City of Monroe - Georgia Street Pump Street** Design of a flood pumping station for the City of Monroe to address an area that was identified as a repetitive loss area. The project needed to meet key guidelines to facilitate Louisiana Statewide Flood Control funding while ensuring that the pump station would operate during events of power loss. The project included the pumping station, retention pond for additional flood storage and a backup generator to ensure that the pumping station would be operational during storm events.
05/15 - 12/22	**I-20 Economic Board - Nutland Road to Lowes I-20 Frontage Road.** Part of the design team for a frontage road along I-20 on the southern side connecting the existing Nutland Road to its termination near Garrett Road on the eastern end of the project. The project included road and drainage structures that required the installation of box culverts to cross major drainage structures in the area. The project also required the expansion of the City's water and sewer system. A new water mail along with a new gravity sewer main and sewer lift station were required to service the future development along the newly constructed Frontage Road.
08/15 - 08/19	**Sterlington Park, LLC - Somerset Park.** 5-Phase Residential Development with approximately 850 lots which included roadway, drainage, detention, storm sewer, gravity sewer, sewer lift station and main, and water main. Project included 2 detention areas and all-underground drainage systems.
prior to Volkert	**City of Bossier - Walter O. Bigsby Carriageway - Phase II.** Member of the project management team that oversaw the design and construction of a 5 lane by-pass for the City of Bossier. The project included multiple roundabouts, signal improvements, drainage structures and a super elevated bridge for an above grade railroad crossing. Project management included overseeing the design team for permitting requirements, contract scheduling, design requirements and project funding. Project included a drainage pump station to capture all of the proposed runoff from the project and pump directly to the Red River due to the capacity limitations of the existing LADOTD drainage structures along Louisiana Highway 3.

SECTION 16

STAFF EXPERIENCE

WSP USA, INC.

Michael Craig, PE, SE
Lloyd (Mark) Pearson, PE
Casey Howard, PE
Matthew Sullivan, PE
Gilberto Rosado, PE
William (Coley) Mitchell, CBI
Josh Fisher
Noemy Roman, PE
Mustapha Ibrahim, PE
Robb Algazi, PE
Jude Bonsu, PE
Kevin Walsh, PE

VOLKERT

Firm employed by: WSP USA Inc.

Michael Craig, PE, SE | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	15
		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization	MS / 1999 / Structural Engineering – Bridge Inspection, Repair and Design	Year registered	2017
Active registration number / state / expiration date	41964 / LA / 03-31-2026	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Relevant Training: Safety Inspection of In-Service Bridges, 2001 (NHI-130055); Safety Inspect of Fracture-critical Inspection Techniques for Steel Bridges, 2015 (NHI-130078); Bridge Inspection Refresher Training, 2023 (NHI-130053); Railroad Roadway Worker Protection 2023; Bridge Maintenance Training, 2013 (NHI-134029); Tunnel Safety Inspection, 2023 (NHI-130110); Confined Space, 2009; Bridge Inspection Nondestructive Evaluation Seminar (BINS), 2008 (NHI-130099A); Bridge Coatings Level 1, 2012; FHWA Inspection and Maintenance of Ancillary Highway Structures, 2016 (NHI 130087); Aerial Training, 2017; OSHA 30-hour Hazard Recognition Training for the Construction Industry, 2017; Licensed Drone Pilot, 2021

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
09/22 – 01/23	**MDOT, US 82 Greenville Cable-Stayed Bridge over Mississippi River, Mississippi:** In his role as Project Manager, Michael has overseen the task-order contract that encompassed a range of critical bridge evaluation activities including routine inspection, element level inspection, fracture critical inspection of main spans superstructures, nondestructive testing and ultrasonic testing of anchorages, vibration testing and analysis of stay cables, and repair recommendations.
07/18 – 12/22	**SCDOT, Bridge Inspection and Load Rating, South Carolina:** Project Manager of this contract, which consists of bridge inspection and determination of the load capacity ratings utilizing BrR and CSI bridge for 2,558 structures including truss, segmental, curved steel girder, movable and significantly retrofitted structures. WSP reviewed the plans, inspection reports, previous load ratings and all other available relevant bridge documents. The load ratings were completed utilizing the information provided by SCDOT and supplemented with information from our field inspections. All load ratings were completed with BrR or CSI Bridge. WSP also utilized drones as an inspection tool to help identify specific areas of bridges where a "hands-on" inspection is required. This resulted in reduced time required for traffic control and access equipment, providing a significant cost savings to SCDOT. In addition, WSP performed 160 load tests involving instrumenting the bridges with strain gauges and driving known loads across the bridge, to assist SCDOT with advanced load posting avoidance measures. The results of the test were utilized to create corrected effective structural models to increase and remove load postings from bridges across the state. These results were extrapolated out, to not only remove postings on the bridges tested, but also on similar bridges in SCDOT's inventory. WSP efforts saved the State tens of millions of dollars.
06/01 – Ongoing	**NCDOT Structures Bridge Inspection Limited Services Contract, North Carolina:** Team Leader, Project Manager and QC Manager. Michael has been continuously involved with the NCDOT bridge inspection and load rating program for 24 years. He has performed field inspections, analysis, and load ratings; designed bridge replacements, evaluated the physical condition for repairs; corrosion condition evaluations, health monitoring, nondestructive testing including UT, DP, and MP, drone Inspections and recommended preservation and maintenance needs. To date he has completed over 4,000 inspections and 2000 load ratings, including many of the state's longest structures, curved steel structures, movable bridge, segmental boxes, and fracture critical trusses.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
06/16 – Ongoing	**GDOT, Engineering Services for Cable-Stayed Structures, Georgia:** In his role as Project Manager, Michael has overseen the task-order contract that encompassed a range of critical bridge evaluation activities. These include a specialized member inspection of the Sidney Lanier Bridge in 2016, focusing on assessing exposed strands with varying degrees of corrosion. Additionally, there were in-depth National Bridge Inspection (NBI) and emergency post-hurricane inspections of the Talmadge Memorial Bridge in 2017 and 2020. His tasks also included the instrumentation and testing of both cable stays bridges to determine the existing force in each cable. Michael's leadership extended to two separate rehabilitation design contracts, for the Sidney Lanier Talmadge bridges, executed in 2021. The initial rehabilitation project for the Sidney Lanier Bridge primarily addressed issues related to excessive cable vibration, which included repairing cable stays with breached protective sheathing and corroded strands. Subsequently, a second rehabilitation project was carried out on the Sidney Lanier, entailing the installation of external dampers on all 176 stays. In 2022, Michael spearheaded the load rating efforts for both the Sidney Lanier and the Talmadge Signature Cable-Stay Bridges, utilizing a full 3D FEM MIDAS Model of the structures.
06/21 – 06/23	**DC Metro, WMATA Rail Bridge Inspections and Load Ratings, DC:** In the capacity of a Project Manager, Michael was involved in this significant project related to the DC Metro's WMATA Rail Bridge Inspections and Load Ratings. This endeavor was conducted in collaboration with Gannet Flemming Engineering. The primary objective was to improve outcomes by developing and refining WMATA's asset management procedures. To achieve this overarching goal, WSP performed routine inspections, and load rating analyses to determine the load rating of these structures. Bridge load ratings were completed in BrR and CSI Bridge, and include truss structures, curved steel box structures, and segmental concrete box structures.
06/16 – 06/22	**TXDOT NBIS Bridge Inspection and Load Rating, Statewide Texas:** Michael was responsible for coordinating staff and resources required for conducting comprehensive inspections and load ratings of various structures. Additionally, he played a key role in assisting with the culvert load posting avoidance program, which involved rigorous load testing and analysis to remove thousands of unnecessary load postings. The reports generated as part of these assessments were instrumental in making informed decisions regarding load limits and ensuring the structural integrity and safety of the infrastructure. The team also successfully completed more than 3463 NBIS routine bridge inspections for TxDOT, along with over two hundred load ratings. The range of inspections and load ratings encompassed reinforced concrete slabs, steel floor system superstructures, steel rolled and plate girders, and prestressed concrete girders for both simple and continuous spans.

Firm employed by: WSP USA Inc.

Lloyd (Mark) Pearson, PE | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	3
		Years of relevant experience with other employer(s)	42
Degree(s) / Years / Specialization	ME / 1979 / Structural Engineering BS / 1977 / Structural Engineering	Year registered	2015
Active registration number / state / expiration date	39629 / LA / 9-30-2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Relevant Training: Concrete Preservation Alliance, 2021 Seminar Series on Concrete Bridge Preservation, On-line; TRB Seminar, Use of Drones to Inspect Bridges, 2021, On-line; AASHTO, NCPP Bridge Preservation Seminar; Bridge Deck Preservation Using Overlays, 2020, On-line; NSBA Steel Bridge Forum, Raleigh, 2019; NS and CSX Railroad Roadway Worker Protection - Contractor Safety Certification, Raleigh, 2019; PCI Bridge Design Manual Seminar, Raleigh, 2004; FHWA Curved Steel I-Girder Workshop, San Antonio, 2004; FHWA & ALDOT Prefabricated Bridge Elements Workshop, Montgomery, 2004.

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
09/22 – 01/23	**MDOT, US 82 Greenville Cable-Stayed Bridge over Brunswick River, Mississippi:** QA/QC Engineer and Task Manager, Mark was responsible for coordinating with the client and coordinating with traffic control subconsultant. Further, he was in charge of the QA/QC review of the inspection findings, repair recommendations, and the inspection report
11/21 – 08/23	**MDOT, US98 over the Homochitto River in Franklin County, MS (Phase B Design).** Project Manager. Six-span, 935-foot prestressed Florida I-Beam bridge with post-tensions spliced girder main spans of 165'-230'-165'. Bridge includes cast-in-place bents on drilled shaft and steel pipe pile foundations. WSP provided Phase B final bridge design services and prepared contract plans and specifications the new six span, 935-foot bridge over the Homochitto River. The main superstructure unit is a 560-foot, three span continuous post-tensioned splice concrete girders using 78" Florida I-Beams, hunched over the main interior bents. The three approach spans are 125' -0" each with 54" Florida I-Beam superstructure. Substructure is reinforced concrete post and beam interior bents with 72" diameter drilled shafts and reinforced concrete end bent caps on 24" diameter steel pipe piles. Foundation options were investigated, and selected foundations were optimized through coordination between WSP structural engineers and MDOT geotechnical engineer.
07/18 – 12/22	**SCDOT, Bridge Inspection and Load Rating, South Carolina:** Senior Load Rater/QC Manager on this contract, which consisted of bridge inspection and determination of the load capacity ratings utilizing BrR and CSI bridge for 2,558 structures including truss, segmental, curved steel girder, movable and significantly retrofitted structures. WSP reviewed the plans, inspection reports, previous load ratings and all other available relevant bridge documents. The load ratings were completed utilizing the information provided by SCDOT and supplemented with information from our field inspections. All load ratings were completed with BrR or CSI Bridge. WSP also utilized drones as an inspection tool to help identify specific areas of bridges where a "hands-on" inspection is required. This resulted in reduced time required for traffic control and access equipment, providing a significant cost savings to SCDOT. In addition, WSP performed and Mark QC'd 160 load tests involving instrumenting the bridges with strain gauges and driving known loads across the bridge, to assist SCDOT with advanced load posting avoidance measures. The results of the test were utilized to create corrected effective structural models to increase and remove load postings from bridges across the state. These results were extrapolated out, to not only remove postings on the bridges tested, but also on similar bridges in SCDOT's inventory. WSP efforts saved the State tens of millions of dollars.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
05/17 – 03/19	**City of Oxford, Alabama, Leon Smith Parkway Bridge Widenings over Choccolocco Creek, in Calhoun County:** Engineer-of-Record for widening design of a four @ 100-foot span bridge and a five @ 100-foot span bridge utilizing prestressed concrete bulb-tees as sub to the prime design firm, GMC, Inc. Work included checking designs and plans sheets and directly supervising the design. Project was reviewed by ALDOT on behalf of the Town of Oxford and partly state funded. (Construction 2021).
05/16 – 07/18	**City of Raleigh, NC, B-5556 Replacement of Bridge No. 490 on Lake Dam Road (SR 1427), City of Raleigh Public Works, North Carolina:** Project Manager for bridge replacement project with Categorical Exclusion (CE), surveys, hydraulic (FEMA) modeling, utility design/coordination and permitting. Engineer-of Record for design of the 100 foot, two-span precast cored slab bridge replacement. Work included checking the plans and calculations, supervising the design and providing engineering support services. (Construction 2018)
04/16 – 08/16	**CFX (FDOT) Ramp G Bridge in SR 417 Boggy Creek Interchange, Load Rating (Bridge 750804), Central Florida Expressway, Orlando, Florida:** Engineer-of-Record for structural load rating of four–span, curved, twin steel box girders spanning 201.75ft-246.92ft-201.75ft-246.92ft.
02/09 – 7/14	**Florida DOT - District 4, I-595 Express Lanes (Design-Build) between I-75 and I-95, Broward County, Florida: B**ridge Design Task Leader and Engineer of Record. Mark was responsible for the final structure designs for 20 bridges in the design–build phase of a P3 toll project. Designs included 15 highway bridges and five bicycle and pedestrian bridges. Roles included preparing preliminary designs, directly supervising and checking final plans and calculations, writing special provisions, preparing estimates and providing bridge ratings in BrR and construction phase engineering support services. Bridges included curved girders with integral caps.
02/13 – 12/13	**NCDOT Rail Division, Project P-5201, Morrisville Parkway underpass of Norfolk Southern, Structure Design, Morrisville, Wake County, North Carolina:** Structures task manager and engineer-of-record for a new four-span, curved, ballast deck railroad bridge over Morrisville Parkway. Structure featured drilled shaft piers, steel pile abutment foundations, temporary tie-back soldier pile shoring wall and steel plate girders and rolled beams. Roles included preliminary design, checking final calculations and plans, directly supervising the design, writing special provisions and preparing estimates. (Design 2013; Construction 2016).
04/09 – 07/10	**Tennessee Steel Truss Bridge Ratings:** Engineer-of-Record for member rating analysis of three steel truss bridges in Tennessee: Old SR25/Cumberland River with 316-foot main span through truss and deck truss approaches; SR375/German Creek with 282 feet main span through-truss; and SR 67/ Watauga River with 492 feet main span deck truss. Role included supervising and checking the manual calculations and VIRTIS/BrR analysis.

Firm employed by: WSP USA Inc.

Casey Howard, PE | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	11
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2013 / Civil Engineering	Year registered	2018
Active registration number / state / expiration date	42913 / LA / 3-31-2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Relevant Training: FHWA Safety Inspection of In-Service Bridges, 2014 (NHI 130055); FHWA Prerequisite, 2013 (NHI 130101A;) ASNT Ultrasonic Testing Level I, 2015; ASNT Ultrasonic Testing Level II General Exam, 2015; Fracture-Critical Inspection Techniques for Steel Bridges, 2016 (NHI 130078); Bridge Coatings Level 1, 2014 (BCC 12219); FHWA Bridge Maintenance Training, 2013 (NHI 134029); FHWA Introduction to Element Level Bridge Inspection, 2014; SPRAT Level I Rope Access Technician, 2015; SPRAT Level II Rope Access Technician, 2017; FHWA Tunnel Safety Inspection, 2016 (NHI 130110); Confined Space Entry Training, 2017; American Red Cross Adult First Aid/CPR/AED; Bridge Inspection Refresher Training, 2018 (NHI 130053); FHWA Inspection and Maintenance of Ancillary Highway; Structures, 2016 (NHI 130087); Aerial Training, 2017. LADOTD Traffic Engineering Training Course.

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
09/22 – 01/23	**MDOT, US 82 Greenville Cable-Stayed Bridge over Mississippi River, Mississippi:** As Bridge Inspection Leader and Inspection Engineer of Record, he supervised the inspection team, developed the inspection report, and development of the repair recommendations and quantities.
07/18 – 12/22	**SCDOT, Bridge Inspection and Load Rating, South Carolina:** Deputy Project Manager of this contract, which consists of bridge inspection and determination of the load capacity ratings utilizing BrR and CSI bridge for 2,558 structures including truss, segmental, curved steel girder, movable and significantly retrofitted structures. WSP reviewed the plans, inspection reports, previous load ratings and all other available relevant bridge documents. The load ratings were completed utilizing the information provided by SCDOT and supplemented with information from our field inspections. All load ratings were completed with BrR or CSI Bridge. WSP also utilized drones as an inspection tool to help identify specific areas of bridges where a "hands-on" inspection is required. This resulted in reduced time required for traffic control and access equipment, providing a significant cost savings to SCDOT. In addition, WSP performed 160 load tests involving instrumenting the bridges with strain gauges and driving known loads across the bridge, to assist SCDOT with advanced load posting avoidance measures. The results of the test were utilized to create corrected effective structural models to increase and remove load postings from bridges across the state. These results were extrapolated out, to not only remove postings on the bridges tested, but also on similar bridges in SCDOT's inventory. WSP efforts saved the State tens of millions of dollars.
03/16-2022	**TXDOT NBIS Inspections and Load Ratings, TxDOT, Statewide Texas:** Casey performed comprehensive inspections and load ratings of various structures. Additionally, he played a key role in assisting with the culvert load posting avoidance program, which involved rigorous load testing and analysis to remove thousands of unnecessary load postings. The reports generated as part of these assessments were instrumental in making informed decisions regarding load limits and ensuring the structural integrity and safety of the infrastructure. The team also successfully completed more than 3463 NBIS routine bridge inspections for TxDOT, along with over two hundred load ratings. The range of inspections and load ratings encompassed reinforced concrete slabs, steel floor system superstructures, steel rolled and plate girders, and prestressed concrete girders for both simple and continuous spans.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
06/16-Ongoing	**GDOT, Engineering Services for Cable-Stayed Structures, Georgia:** In his role as Deputy Project Manager, Casey has overseen the task-order contract that encompassed a range of critical bridge evaluation activities. These include a specialized member inspection of the Sidney Lanier Bridge in 2016, focusing on assessing exposed strands with varying degrees of corrosion. Additionally, there were in-depth National Bridge Inspection (NBI) and emergency post-hurricane inspections of the Talmadge Memorial Bridge in 2017 and 2020. His tasks also included the instrumentation and testing of both cable stays bridges to determine the existing force in each cable. Casey assisted with rehabilitation design of the cable stay dampening system. Michael's leadership extended to two separate rehabilitation design contracts, for the Sidney Lanier Talmadge bridges, executed in 2021. The initial rehabilitation project for the Sidney Lanier Bridge primarily addressed issues related to excessive cable vibration, which included repairing cable stays with breached protective sheathing and corroded strands. Subsequently, a second rehabilitation project was carried out on the Sidney Lanier, entailing the installation of external dampers on all 176 stays. In 2022, Casey Assisted with the load rating efforts for both the Sidney Lanier and the Talmadge Signature Cable-Stay Bridges, utilizing a full 3D FEM MIDAS Model of the structures.
06/21-06/23	**DC Metro, WMATA Rail Bridge Inspections and Load Ratings, DC:** In the capacity of a deputy Project Manager, Casey was involved in this significant project related to the DC Metro's WMATA Rail Bridge Inspections and Load Ratings. This endeavor was conducted in collaboration with Gannet Flemming Engineering. The primary objective was to improve outcomes by developing and refining WMATA's asset management procedures. To achieve this overarching goal, WSP performed routine inspections, and load rating analyses to determine the load rating of these structures. Bridge load ratings were completed in BrR and CSI Bridge, and include truss structures, curved steel box structures, and segmental concrete box structures. A key aspect of the project involved prioritizing repairs. This prioritization process is integral to the current and future bridge asset management and capital program development.
2012-Ongoing	**NCDOT Structures Bridge Inspection Limited Services Contract, North Carolina:** Team Leader, and QC Manager. Casey has been involved with the NCDOT bridge inspection program for 9 years. He has performed field inspections, analysis and ratings; evaluated the physical condition; and recommended preservation and maintenance needs. Casey has also led the design for numerous bridge repair and preservation projects under this contract including: hydro-demolition and latex-modified concrete overlays, joint replacement, beam end repairs, timber and concrete pile repairs, galvanic protection of prestressed girders, cathodic and sacrificial anode protection of bent caps, bearing replacement and prestressed pile jacketing with sacrificial anodes. To date he has completed over 1000 load ratings utilizing, Mathcad, Excel and BrR; and 2,000 inspections, including many of the state's longest structures, segmental boxes, and fracture critical trusses.

Firm employed by: WSP USA Inc.

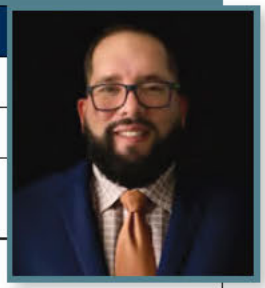
Matthew Sullivan, PE| *Bridge Inspection*		Years of relevant experience with this employer	15
		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS / 2007 / Civil Engineering	Year registered	2018
Active registration number / state / expiration date	42490 / LA / 9-30-2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Relevant Training: Safety Inspection of In-Service Bridges, 2011 (NHI-130055); Safety Inspect of Fracture-critical Inspection Techniques for Steel Bridges, 2014 (NHI 130078); Bridge Inspection Refresher Training, 2018 (NHI-130053); Tunnel Safety Inspection, 2017 (NHI 130110); SPRAT-Level II Rope Access Technician, 2018; Inspection and Maintenance of Ancillary Highway Structures, 2015 (NHI 130087); OSHA 10-hour Hazard Recognition Training for the Construction; Licensed Drone Pilot, 2021

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
06/16 Reselected 2018-Ongoing	**TXDOT NBIS Bridge Inspection and Load Rating, Statewide Texas:** Matt served as team leader and assisted with comprehensive inspections and load ratings of various structures. Additionally, he played a key role in assisting with the culvert load posting avoidance program, which involved rigorous load testing and analysis to remove thousands of unnecessary load postings. The reports generated as part of these assessments were instrumental in making informed decisions regarding load limits and ensuring the structural integrity and safety of the infrastructure. The team also successfully completed more than 3463 NBIS routine bridge inspections for TxDOT, along with over two hundred load ratings. The range of inspections and load ratings encompassed reinforced concrete slabs, steel floor system superstructures, steel rolled and plate girders, and prestressed concrete girders for both simple and continuous spans.
06/16-Ongoing	**GDOT, Engineering Services for Cable-Stayed Structures, Georgia:** In his role as Project Team Leader, Matt assisted on the task-order contract that encompassed a range of critical bridge evaluation activities. These include a specialized member inspection of the Sidney Lanier Bridge in 2016, focusing on assessing exposed strands with varying degrees of corrosion. Additionally, there were in-depth National Bridge Inspection (NBI) and emergency post-hurricane inspections of the Talmadge Memorial Bridge in 2017 and 2020. His tasks also included the instrumentation and testing of both cable stays bridges to determine the existing force in each cable. Matt assisted on the rehabilitation design of the cable stay dampening system. Matt assisted on to two separate rehabilitation design contracts, for the Sidney Lanier Talmadge bridges, executed in 2021. The initial rehabilitation project for the Sidney Lanier Bridge primarily addressed issues related to excessive cable vibration, which included repairing cable stays with breached protective sheathing and corroded strands. Subsequently, a second rehabilitation project was carried out on the Sidney Lanier, entailing the installation of external dampers on all 176 stays. In 2022, Matt assisted with the load rating efforts for both the Sidney Lanier and the Talmadge Signature Cable-Stay Bridges, utilizing a full 3D FEM MIDAS Model of the structures .
06/16 – 08/17	**SCDOT, Bridge Inspection and Load Rating, South Carolina**: Senior Load Rater on this contract, which consists of bridge inspection and determination of the load capacity ratings utilizing BrR and CSI bridge for 2,558 structures including truss, segmental, curved steel girder, movable and significantly retrofitted structures. WSP reviewed the plans, inspection reports, previous load ratings and all other available relevant bridge documents. The load ratings were completed utilizing the information provided by SCDOT and supplemented with information from our field inspections. All load ratings were completed with BrR or CSI Bridge. WSP also utilized drones as an inspection tool to help identify specific areas of bridges where a "hands-on" inspection is required. This resulted in reduced time required for traffic control and access equipment, providing a significant cost savings to SCDOT. In addition, Matt assisted with the 160 load tests involving instrumenting the bridges with strain gauges and driving known loads across the bridge, to assist SCDOT with advanced load posting avoidance measures. The results of the test were utilized to create corrected effective structural models to increase and remove load postings from bridges across the state. These results were extrapolated out, to not only remove postings on the bridges tested, but also on similar bridges in SCDOT's inventory. WSP efforts saved the State tens of millions of dollars.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
02/11 – 06/15 & 06/18 – 08/22	**Newport Pell Bridge Biennial Inspection, Rhode Island Turnpike and Bridge Authority:** Team Leader for the 2018 and 2020 Inspections of the Newport Pell Bridge and Team Leader for the 2011 to 2015 Annual Inspections of the Newport Pell Bridge which also include associated sign and lighting structures throughout RITBA property. Matt's responsibilities included leading field inspections, report preparation including both a Narrative style report for RITBA and a RIDOT BrM style report per NBIS requirements. Mr. Sullivan utilized rope access for inspection of the main cable anchorages and 100% hands-on inspection of suspender ropes. He has also coordinated the use of drones to inspect various hard-to-access elements of the bridge.
06/16 – Present Reselected in 2020	**MassDOT Statewide Complex Bridge Inspection Services, Massachusetts:** Team Leader for this 5-year contract (renewed in 2020) with MassDOT on complex bridge structures throughout Massachusetts. Matt is responsible for determining the inspection and report writing effort required, organizing field work, including vendors, state personnel and police as required and creating detailed inspection reports that include prioritized repair recommendations. Matt has utilized various types of rope access techniques on several of these complex structures including rope drops, swing scaffolding and aide climbing.
05/15 - Present	**Delaware River & Bay Authority, GEC On-Call Inspection Contract:** Lead Team Leader and more recently as Project Manager on this GEC contract for the inspection of the Delaware Memorial Bridge Structures #1 & #2, twin 10,800-foot-long structures that include suspension bridge sections consisting of 2,150-foot-long main spans. Annual inspections also include hundreds of signs, light poles, and high mast towers throughout the DRBA property. These ancillary structures are inspected and re-inventoried regularly. Responsibilities include complete oversight of all field activities and report preparation including a Narrative style report for use by the DRBA as well as submission of Element Level and SI&A data to DelDOT and NJDOT per NBIS requirements. Climbing and Drones are used during these inspections.

Firm employed by: WSP USA Inc.



Gilberto "Gil" Rosado, PE | *Bridge Inspection*		Years of relevant experience with this employer	2
		Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization	MS / 2005 / Civil Engineering BS / 2001 / Civil Engineering	Year registered	2022
Active registration number / state / expiration date	46753 / LA / 9-30-2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Relevant Training: FHWA-NHI-130053 Safety Inspection Refresher (January 2022); FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges (February 2014); FHWA-NHI-130087 Inspection & Maintenance of Ancillary Highway Structures (December 2014); FHWA Element Level Bridge Inspection (August 2014); FHWA-NHI-130055 Safety Inspection of In-Service Bridges (May 2008); UAS Drone 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 years of experience specified in the applicable MPR(s).
06/23 - Ongoing	**PRHTA, Tren Urbano Elevated Guideway Inspection, Puerto Rico:** Contributed significantly to a pioneering infrastructure evaluation project for Tren Urbano's Elevated Guideway System in Puerto Rico. Supported the design and rollout of a Condition-Based Inspection Frequency Program (CBIFP), compliant with the National Bridge Inspection Standards (NBIS). This novel strategy, focused on condition-based inspection intervals, was crucial in optimizing maintenance resource utilization and upholding exceptional safety standards. Assisted in overseeing the inspection and analysis of compromised post-tension (PT) tendons, employing cutting-edge Non-Destructive Testing (NDT) techniques for comprehensive structural integrity assessments. My contributions were key to formulating effective repair strategies, enhancing the system's durability and safety.
02/23 – 12/23	**FDOT, Florida Rail Corridors Bridge Management Program (2023):** Gil participated in the crafting of the Florida Rail Corridors Bridge Management Program (FRC BMP), setting a benchmark for bridge management practices across Florida's rail agencies. Further, he Contributed to establishing a framework that defines minimum standards for bridge management, highlighting the essential nature of regular inspections, load ratings, and maintenance. This program, embedded in federal regulations and best practices, delineates detailed protocols for maintaining the safety and integrity of railroad bridges, crucial for protecting state infrastructure investments.
10/22 – 06/24	**WMATA, Rail Bridge Inspections and Load Ratings, Washinton DC:** As part of the WSP team, Gil was instrumental in refining WMATA's Rail Bridge Inspections and Load Ratings project in Washington, D.C. My role included enhancing asset management practices, particularly in inspection processes and condition monitoring, to foster superior infrastructure management outcomes. I contributed to report reviews, attended weekly project meetings, and liaised with clients to ensure the delivery of high-quality work products and studies.
06/19 – 01/22	**VDOT, Safety Inspections of Highway Structures & Bridges and Support Structures for Traffic Control Devices, North Virginia District**: As Quality Assurance Manager and later Project Manager, Gil was integral to upholding the quality of bridge inspections, reports, and inspection procedures. Engaged regularly with multiple VDOT Districts, collaborating on revisions and enhancements to inspection reports, particularly focusing on structurally deficient bridges. Facilitated the development of Letters of Agreement (LOAs), managed in-house inspection teams, and coordinated with subconsultants, ensuring monthly progress, scheduling inspections, and performing quality assurance of element-level inspections for thousands of structures.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
10/14 – 03/19	**Safety Inspections of Highway Structures and Bridge, Region IV, VDOT Northern Virginia District, VA:** Managed all tasks under the contract as Field Operations Manager, providing oversight for more than 2,000 structures and directly conducting element-level routine safety inspections of over 450 structures. My role involved planning and executing inspections of complex bridge structures, coordinating traffic control setups to maintain safety, and liaising with the Regional Traffic Operations Control Center for seamless operation.
04/15 – 01/19	**Arlington County, Safety Inspection of Bridge, Culverts, and Pedestrian Structures for Arlington County, VA:** As Assistant Project Manager, he assessed, coordinated, and executed inspections for Arlington County and City of Alexandria's structural inventory. This included bridges, culverts, and pedestrian structures, employing a variety of inspection equipment and methodologies to ensure thorough evaluations and adherence to safety standards.
06/11 – 02/14	**VDOT, Safety Inspections of Highway Bridges and Support Structures for Traffic Control Devices (2011-2014), Staunton & Culpeper Districts, VA:** As team leader Gil conducted detailed safety inspections and evaluations of bridges, incorporating confined space entry procedures, and coordinating with the Regional Traffic Control Center to ensure comprehensive and safe inspections under stringent conditions.
02/12 – 09/12	**Montgomery Couty, Bridge Scour Analysis for Poplar Rd. over Tivoli Lake Tributary, VA:** As Design Engineer, conducted a thorough scour analysis for a critical infrastructure project, developing recommendations to mitigate scour and ensure the long-term stability of the bridge structure.

Firm employed by: WSP USA Inc.

Joshua Fisher | *Bridge Inspection*

Years of relevant experience with this employer	8		
Years of relevant experience with other employer(s)	10		
Degree(s) / Years / Specialization	A.S. / 2006 / Architectural & Engineering Design	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Relevant Training: AMPP Certified Coating Inspector with Bridge Endorsement; OSHA Confined Space entry 8-hour; OSHA 10-hour Construction Safety and Health

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
06/24 – 07/24	**Hell Creek Bridge, Russell County-Kansas:** Mr. Fisher served as a non-destructive technician on site to conduct field investigation of the Hell Creek Bridge located in Russell County, KS. This utilizes a range of non-destructive evaluation methods including Ground Penetrating Radar (GPR), Covermeter, and Ultrasonic image testing, to determine unknown dimensions such as the thickness of concrete elements and the depth and spacing of reinforcing steel bars within arches and other primary structural components.
05/24 – 07/24	**Three Arch Bridges, Loudon County-Virginia:** Mr. Fisher served as a non-destructive technician on site to conduct field investigation of three Arch Bridges located in Loudon County, Va. This utilizes a range of nondestructive evaluation methods including Ground Penetrating Radar (GPR), Covermeter, and Ultrasonic image testing, to determine unknown dimensions such as the thickness of concrete elements and the depth and spacing of reinforcing steel bars within arches and other primary structural components.
04/22 – 10/22	**Cary Town Hall Bridge Repainting, City of Cary-North Carolina:** Mr. Fisher served as coating inspector on site for blasting and painting procedures of the Cary Town Hall Bridge in the Town of Cary. The procedures include sand blasting and the application of primer, mid coating, stripe coating, and final coating. Mr. Fisher has also verified and reviewed different tests performed during the coating procedure.
06/19 – 05/21	**SCDOT Bridge Load Rating and Evaluation, South Carolina:** Mr. Fisher served as a field operation manager; He organized, scheduled, and oversaw completion of nondestructive testing, material sampling and testing on structures throughout the state being completed by field personnel and subcontractors.
06/17 – 02/21	**City of Charlotte Bridges Painting, City of Charlotte-North Carolina:** Mr. Fisher assisted in the project take off and served as a coating inspector on site for blasting and painting procedures of multiple bridges in the city of Charlotte. The procedures include sand blasting and the application of primer, mid coating, stripe coating, and final coating. Mr. Fisher has also verified, performed and reviewed different tests performed during the coating procedure.
06/15 – 02/21	**City of Charlotte Bridges Repair, City of Charlotte-North Carolina:** Mr. Fisher assisted in the project take off and served as an inspector on site for the different maintenance repairs that were performed to many bridges around the city of Charlotte; this work includes joint replacement, structural steel replacement, concrete repairs to caps, columns, decks, and curbs. Mr. Fisher assisted in the inspection of a five deck overlay projects that included hydro-demolition and replacement with latex modified concrete.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
04/18 – 10/18	**Liberty Bridge Painting, City of Greenville-South Carolina:** Mr. Fisher assisted in the project take off and served as coating inspector on site for blasting and painting procedures of the liberty bridges in the city of Greenville. The procedures include sand blasting and the application of primer, mid coating, stripe coating, and final coating. Mr. Fisher has also verified and reviewed different tests performed during the coating procedure.
08/18 – 12/23	**City of Raleigh Bridges Repair, City of Raleigh-North Carolina:** Mr. Fisher assisted in the project take off and served as an inspector on site for the different maintenance repairs that were performed to four bridges around the city of Raleigh; this work includes joint replacement, concrete repairs to caps, columns, decks, and partial replacement and tensioning of deteriorated prestresssing strands in cored slabs.
05/17 – 08/17	**Cedar Street Bridge Repairs, City of Asheville-North Carolina:** Mr. Fisher served as a construction inspector for bridge repairs on a (3) span, steel girder bridge in Asheville, NC. Repairs included cleaning and painting of the steel girders and bearings, replacement of web and bottom flange at (3) locations, installation of asphalt plug joints, guardrail installation and concrete repairs to the substructure.

Firm employed by: WSP USA Inc.

Noemy Roman, PE | *Bridge Design*		Years of relevant experience with this employer	5
		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization	BS / 2002 / Civil Engineering	Year registered	2019
Active registration number / state / expiration date	43748 | LA | 03/31/2026	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Relevant Training: FHWA/NHI-130107C Maintenance of Movable Bridges January 2020, Bridge Inspection Refresher Training – FHWA/NHI, February 2019, S-BRITE Center of Purdue University, October 5, 2016 - Inspecting Steel Bridges for Fatigue, Fracture Critical Inspection Techniques for Steel Bridges-FHWA/NHI No. 130078, May 3, 2016, Safety Bridge Inspection for In-Service Bridges – FHWA/NHI, March 2008, OSHA 10 Hour Completion – Construction Safety and Health July 15, 2015 – 21-004445159, BasicPlus CPR, First Aid for Adults, December 22, 2016 – Registry Number 35764

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
01/23 – Current	**Amtrak Vertical Lift Bridge No. IL 466.20 over S. Branch of Chicago River, Amtrak, Chicago Illinois:** Deputy Project Manager and design lead for the inspection, crack repair and miscellaneous retrofit work for Bridge IL 466.20, a 1915 span-drive vertical lift bridge with a 272.83ft main lift span and two 53.5ft tower spans and short approach spans. The bridge carries two tracks for Amtrak and Class I freight. The track supporting framing steel exhibits cracking at the tower and lift skewed end supports (>45°) due to differential settlement of stringers, poor web coping details at the approaches and floating bearings at the abutments. The scope included an expedited set of plans for the floating bearings and unstiffened miter bolster, and another set to provide temporary stiffening to the stringers at the skewed ends. She is currently performing construction services for this project. In addition, we are performing a long-term study for permanent retrofit of the stringer ends at the skewed supports by analyzing the skew and connection details that lead to out of plane bending and fatigue cracks. Conceptual improvements and their costs are being compiled for future budgetary planning by Amtrak.
10/2018-12/2020 RFIs:2/2021	**Webster Avenue Bascule Bridge over the North Branch of the Chicago River (City of Chicago DOT), Chicago, Illinois:** Structural Engineer for the rehabilitation of the 1916 through "pony" truss, double leaf Webster Avenue Trunnion Bascule Bridge over the North Branch of the Chicago River. The bridge is 287 feet long and 60 feet wide and is currently non-operable. The bridge is in poor condition due to advanced deterioration of various steel members. Noemy was involved in helping with the Phase II plan production and designing the lower lateral bracing and strut replacements, the rehabilitation of the anchor columns, the pier protection fender system and the live load span anchor system, as well as various other details and reviewing the work of other team members. Bridge is currently under construction, and Ms. Roman is helping with RFI's and designing or reviewing modifications due to latent conditions uncovered by demolition.
10/2020-5/2021	**Chicago DOT - Modification of Lake Shore Drive Bascule Bridge over the Chicago River, Chicago, Illinois:** Reviewer for this project involved adding a 20-foot multi-user path on the east side of the bridge on the lower deck. The Lake Shore Drive Bascule Bridge over the Main Branch of the Chicago River is a double-leaf, twin level, trunnion type Bascule Bridge. The bridge is approximately 108 feet (33 meters) wide and approximately 356 feet (109 meters) long and was constructed in 1937. The project required two new separate, articulated sidewalk bascules linked to the main bridge bascules, such that the sidewalk leaves open with the larger bridge. Each sidewalk leaf is 24.36ft wide, 26.91ft long from trunnion to toe, and is asymmetrical loaded since the leaf is attached by one post and link arm at the inboard girder only.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
08/22 – 06/23	**Fremont Bridge and Ballard Bridge, Bascules Phase II – Seismic Improvements, Seattle DOT, Washington:** Structural Design Engineer for select retrofit components of the Ballard Bridge and advising on the Fremont Bascule Bridge. Retrofit design is based on the recommended retrofit system identified in Phase I, and further updates for AASHTO code updates and refined analysis. Both bridges are double-leaf, trunnion, steel truss bascule bridges with opening span lengths of 242 feet and 218 feet, respectively. Both bridges are over 100 years old but are of historical and operational significance to the City of Seattle.
6/2019-12/2020	**Center Street Rim Bearing Swing Bridge over the Cuyahoga River (City of Cleveland), Cleveland, Ohio:** Structural Designer and Inspector for the 2021 rehabilitation of the 245'-0" three span, rim bearing, bobtail swing bridge, originally built in 1901. The project included an inspection that formed the basis of the rehabilitation, ultrasonic testing of the pins, review of previous load rating to update for losses found and to determine the extent of repairs/replacement, cost estimation and rehabilitation plans and specifications. Included with the repair work is the heat straightening of selected eyebar members damaged from vehicle collision and a new traffic railing system to protect them, new river span stringers, new end floorbeams, and new deck grating and sidewalks.
12/2019 – 9/2020	**Illinois DOT - Cass Street Rolling Lift Bridge over the Des Plaines River, Joliet, Illinois:** Design Engineer for the emergency repairs of selected stringers that were significantly deteriorated with full section losses adjacent to the simple shear connection to the floor beams. The client requires as little disruption to both vehicular and navigational traffic, with all repair work performed without removing deck panels or replacing stringers. Ms. Roman developed the suggested temporary support, sequencing, and the new web reinforcing connections. In addition, she developed the plans, details, quantities, and specifications for the repairs on an expedited schedule.

Firm employed by: WSP USA Inc.

Mustapha Ibrahim, PhD, PE, SE | *Bridge Design*		Years of relevant experience with this employer	5
		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization	PhD / 2016 / Structural/Materials Engineering BS / 2010 / Civil Engineering	Year registered	2020
Active registration number / state / expiration date	SE IL (SE081.008550) 11/30/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Relevant Training: FHWA-NHI-130056 Safety Inspection of In-Service Bridges, FHWA Seismic Design and Evaluation of Bridges, 2020

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
01/23	**Seismic Improvements for Fremont Bridge and Ballard Bridge, Bascule and Movable Spans, Seattle, Washington:** Lead Structural Modeler. The project consists of conducting final design efforts of select retrofit components of the Ballard and Fremont Bascule Bridges from the recommended retrofit system identified in Phase I. Both bridges are double-leaf, trunnion, steel truss bascule bridges with opening span lengths of 242 feet and 218 feet, respectively. Both bridges are over 100 years old but are of historical and operational significance to the City of Seattle. Mr. Ibrahim served as the lead structural modeler for both bridges and performed the structural retrofits for the main bascule leaf truss components, anchor/fixed span components, and the mechanical components including the trunnion bearings and center locks.
09/20	**Carroll Lee Cropper Bridge over the Ohio River – Load Rating:** Lead Structural Modeler. The Carroll Lee Cropper Bridge is a three-continuous long truss span bridge carrying four lanes of traffic between Ohio and Kentucky over the Ohio River. The bridge was constructed in 1977. The outer spans of the bridge are truss shaped and have a span length of 503.75 ft. The middle span is a truss-shaped arch with suspension cables and tie beams with a span length of 750 ft. The total width of the bridge from center to center of the truss is 68 ft. Mr. Ibrahim, performed a full 3D finite element analysis for the entire bridge and conducted load rating analysis for all the major components of the bridge including primary truss members, arch ties, hangers, gusset plates, and floorbeams.
04/20	**Chicago DOT - Modification of Lake Shore Drive Bascule Bridge over the Chicago River, Chicago, Illinois:** Reviewer for this project involved adding a 20-foot multi-user path on the east side of the bridge on the lower deck. The Lake Shore Drive Bascule Bridge over the Main Branch of the Chicago River is a double-leaf, twin level, trunnion type Bascule Bridge. The bridge is approximately 108 feet (33 meters) wide and approximately 356 feet (109 meters) long and was constructed in 1937. The project required two new separate, articulated sidewalk bascules linked to the main bridge bascules, such that the sidewalk leaves open with the larger bridge. Each sidewalk leaf is 24.36ft wide, 26.91ft long from trunnion to toe, and is asymmetrical loaded since the leaf is attached by one post and link arm at the inboard girder only.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
12/19	**Michigan DOT – Grosse Ile Parkway Swing Bridge over the Trenton Channel – Substructure Long-Term Rehabilitation Alternative Analysis, Grosse Ile, Michigan, Emergency Repair for Piers:** Structural Engineer. The Grosse Ile Movable Bridge over the Trenton Channel of the Detroit River (Bridge No. 382) consists of ten fixed approach spans and a through truss swing bridge serving the two main spans over the navigational channel. The bridge is approximately 32 feet wide and 1345.88 feet long. The swing span is fully operational. Recent underwater inspections from 2017 and 2019 have identified significant deterioration on the timber cribs supporting Piers 2, 4, 6, 8, 9, and 10. The timber crib foundations were originally built around 1873 and the piers were built around 1931 resulting in a service life of 146 years and 88 years, respectively. Both the timber cribs and piers exhibit advanced deterioration. One of the main concerns relates to the large voids discovered in the underwater inspection at the upstream end of the timber cribs resulting in an unsupported pier footing. In response, WSP evaluated several alternatives for the rehabilitation of the timber cribs and piers with consideration to constructability, impact to traffic (e.g. detours, bridge closures), durability, maintenance, impact on future superstructure rehabilitation, strength, environmental impact, hydraulic risk, and overall cost of the rehabilitation. Three different alternatives were found to be feasible: (1) Pier Replacement which straddles or connects above and over the existing piers (referred to as Straddle Bent in this Alternative); (2) Substructure Strengthening with Micropiles; (3) Substructure Strengthening with Concrete Encasement. Mr. Ibrahim performed the analysis and preliminary plan preparations for the three alternatives.
2018	**Chicago DOT Lake Shore Drive Bascule Bridge over the Chicago River Phase II, Chicago, Illinois (2017 – 2018):** Structural Engineer. The Lake Shore Drive Bascule Bridge over the Main Branch of the Chicago River is a double-leaf, twin level, trunnion type Bascule Bridge. The bridge is approximately 108 feet wide and approximately 356 feet long, consists of four bridge houses, and it was constructed in 1937. The sidewalk, originally located on the upper level of the structure, was reconstructed on the intermediate level of the bridge. The project included full rehabilitation of the bridge as well as widening of the east sidewalk of the bridge. Mustapha's role included designing the Bridge House Expansion to accommodate the widening of the bridge, balancing the bridge, designing, and conducting full finite element modeling for the Heel Lock support of the entire bascule leaf.
2017	**IDOT Load Rating of Ruby St. Bridge over the Des Plaines River in Joliet, Illinois:** Structural Engineer. Ruby St bridge is a double leaf trunnion bascule bridge with a total length of 369 feet and out-to-out width of 66 feet. Mustapha performed load rating for all the bridge components for the purpose of rehabilitating the bridge.
2017	**IDOT Load Rating of Jackson St. Bridge over the Des Plaines River in Joliet, Illinois**: Structural Engineer. Jackson St Bascule Bridge is a Rolling Scherzer with an overall length of 375 feet and out-to-out width of 52 feet. Mustapha performed load rating for all the bridge components for the purpose of rehabilitating the bridge.

Firm employed by: WSP USA Inc.

Jude Bonsu, PE | *Mechanical Design/Inspection*		Years of relevant experience with this employer	16.5
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BE / 2006 / Mechanical Engineering	Year registered	2014
Active registration number / state / expiration date	PE LA 44561 / 9-30-2025	Discipline	Mechanical

Contract role(s) / brief description of responsibilities:
Relevant Training: FHWA-NHI-130110 Tunnel Safety Inspection; FHWA-NHI-130053 Bridge Inspection Refresher Training

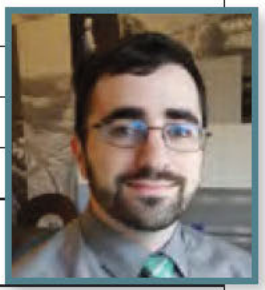
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
2015 - 2024	**Movable Bridge Inspections: Jude has led mechanical inspections for over 50 movable road and rail bridges of all types – Vertical Lift, Bascules and Swing bridges through throughout the Country and Canada. Prepared an inspection report listing deficiencies and recommendations for repair with associated cost estimates for each bridge. Some of the railroad and lift bridges include:** P&W Swing Railroad Bridge over Connecticut River, CT MTA Metro-North, Harlem River Lift Bridge, NY Path Railroad Lift Bridge over Hackemsack River, NJ RFK Harlem River Lift Span, NY Parkway Gill Hodges Memorial Bridge, NY I-280 over the Passaic River Bridge (Stickel Bridge), NJ Rt 1&9T Bridge over the Hackensack River, NJ Rt 1&9T Bridge over the Paaasic River,NJ NJ Route 7 (Belleville Bridge) over Passaic River, NJ NJ Rt 7 (Wittpenn) over the Hackensack River, NJ NJ Route 88 over Point Pleasant Canal Bridge NJ Route 13 (Bridge Avenue) over Point Pleasant Canal Bridge, NJ NJ Rt 130 over Raccoon Creek, NJ Burlington-Bristol Bridge over Deaware River, NJ
02/21-05/21	**LADOTD, Belle Chasse and Harvey Tunnels Inspection (LADOTD), LA:** Mechanical Team leader for the 2021 routine inspection of the tunnel mechanical elements – including but not limited to the tunnel ventilation, drainage, HVAC, fire protection systems. Prepared inspection report documenting inspection findings.
07/21-12/21	**PANYNJ, George Washington Bridge (GWB) Lower-Level Tunnel NJ Approach, NJ:** Mechanical Team leader for the 2021 routine inspection of the tunnel mechanical elements – including but not limited to the tunnel ventilation, drainage, HVAC, fire protection systems. Prepared inspection report documenting inspection findings.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
10/19-present	**Triboro Bridge & Tunnel Authority, Queens Midtown Tunnel, New York, NY:** Resident Engineer providing construction management and inspection services for the replacement of drainage and stripper pumps and development of HMI screens for remote monitoring drainage pumping and hydrocarbon systems in the various pump rooms for this vehicular, two tube, 6400 feet tunnel under the east river connecting the Boroughs of Manhattan and Queens. Responsible for managing all construction activities and performing all office documentation and related work for the project. The drainage and stripper pumps are in the pump rooms at the tunnel portals, mid tunnel and ventilation buildings. The work also includes installation of new hydrocarbon sensors in the pump room and sump pit and integration of the system for remote monitoring.
03/19-4/20	**Chicago DOT, Webster Avenue Bascule Bridge, Cook County, IL:** Performed rehabilitation and replacement design for selective mechanical components for these movable bridges which include but not limited to development of PS&E for new sump pump, associated supports, lifting cables, piping and associated valves, automatic water level and alarm controls associated wiring and control panels, local pump control panel. Provisions were made in the contract documents for dewatering and complete cleaning of the sump pit prior to installation of new pump and associated components. Reviewed pump performance test data and approved shop drawings.
08/08-present	**The New York City School Construction Authority (SCA), Building Condition Assessment Survey for The New York City School Construction Authority (SCA), New York, NY: P**art of a team of engineers as the mechanical inspector to provide annual building condition assessment survey for all school facilities throughout the city for the NYC Department of Education's Division of School Facilities (DOE/DSF). The NYC school system is made up of approximately 1,500 buildings, including school buildings, administrative buildings, leased facilities, annexes, mini-schools, and temporary buildings. As the mechanical inspector for the team, interviewed custodian/fireman, inspected and produced a mechanical inspection report to reflect the conditions of the mechanical components (including but limited to the drainage, HVAC, heating plant, Climate control systems) identified and inspected for each asset per inspection methodology. Determined the status of previously cited violations vis-à-vis current deficiencies and issued priority (hazardous) conditions report identified during the inspection per the inspection methodology.
10/13-03/17	**Second Avenue Subway Project 72nd Street Station, New York, NY:** MEP Lead Inspector for providing construction management and inspection services for the newly opened 72nd Street Station as part of the Second Avenue Project. Tasks included but not limited to inspection of the installation of the new Tunnel Ventilation, HVAC, Fire Protection, Drainage, Sump and Ejector Pumps and all associated components, control and monitoring systems. Integration and interfacing of all Tunnel Ventilation, HVAC, Control SCADA systems. Reviewed pump performance test data for conformance to the project specifications prior to onsite delivery. Attended all factory acceptance testing for SCADA System, Tunnel and Station Smoke Management supervisory control cabinet, track drainage supervisory system, transformers and switch gear. Also served as the Testing and commissioning Coordinator for all local field and system integrating testing for the mechanical and electrical components/systems, oversaw and reviewed Contractors developed O&M and training manuals. Client: MTA.

Firm employed by: WSP USA Inc.

Robert "Robb" Algazi, PE | *Mechanical Design/Inspection*

Years of relevant experience with this employer	5
Years of relevant experience with other employer(s)	6



Degree(s) / Years / Specialization	BS / 2019 / Aerospace Engineering	Year registered	2020
Active registration number / state / expiration date	44505 / LA / 9-30-2024	Discipline	Mechanical

Contract role(s) / brief description of responsibilities:
Robert Algazi is a Lead Mechanical Engineer currently with WSP, specializing in movable bridges.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
03/24 - ongoing	**NJDOT, Rt. 71 over Shark River Emergency Span Drive Machinery Repairs; Belmar, NJ,** Lead Mechanical Engineer responsible for the emergency response, inspection, testing, and repair design. An incident rendered this double leaf trunnion bascule bridge's span drive machinery inoperable and requiring extensive repairs. WSP's team performed immediate field investigations to determine the damage and extend of the repairs required. The bridge channel is the only way in and out of a major marina; therefore, WSP immediately developed a method to lift the inoperable leaf with a crane and restrain it in the open position to allow for boating traffic to pass.
05/23 - ongoing	**Cape May County, 96th Street Bridge Replacement; Stone Harbor, NJ,** Lead Mechanical Engineer responsible for the design, calculations, plans preparation, specifications, and interdisciplinary coordination for the replacement of the historic 96st Street Bridge in Cape May, New Jersey. The existing Rall type bascule bridge will be replaced by a trunnion double leaf bascule bridge. Each span is powered by redundant ac electric motors which drive a gear train assembly. WSP is coordinating extensively with the County and SHPO to meet all historic preservation requirements for the new bridge. Client: Cape May County
06/23 - ongoing	**FDOT District 5, Christa McAulffe Bridge Rehabilitation; Cape Canaveral, FL,** Lead Mechanical Engineer responsible for the bascule bridge evaluation inspection, report, and the rehabilitation design, calculations, specifications, and cost estimate. The evaluation's goal is to determine the condition of the existing mechanical, electrical, and structural components and identify the needs for repairs and replacement. The scope for rehabilitation include replacement of the existing span drive motor, machinery, and auxiliary brakes, as well as an in-depth NDT testing of the existing trunnion assemblies.
06/23 - ongoing	**Miami-Dade County, NW 22nd Ave, Miami, FL,** Mechanical Engineer leading the design, calculations, plan preparation, and technical special provisions for bascule bridge rehabilitation. Scope includes rehabilitation to the span drive machinery, span lock assemblies, live load shoe assemblies, and trunnion assemblies. Additionally, strain gage testing will be performed by WSP as a part of the design phase. Client: Miami-Dade County
03/20 – ongoing	**Maryland Movable Bridge Inspections, MD,** Senior Mechanical Engineer responsible for leading the inspection of several movable bridges for the Maryland Department of Transportation. Inspections include observation of machinery and operation as well as applicable measurements of machinery components. Findings were compiled into reports that included recommendations. Client: MDOT.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
10/20 – 06/21	**CSX New River Bridge Emergency Repair, FL,** Mechanical Engineer responsible for the design of the emergency coupling replacement for the CSX New River Bascule Bridge in Fort Lauderdale Florida. Project included investigations into the cause of the failure and designing a replacement to correct the existing failure on an accelerated schedule. The design was completed during an accelerated due to the emergency. Utilized a unique single pinion operation scheme to minimize bridge outage periods which would impact railroad traffic and navigational traffic. Maintaining operation throughout the emergency repairs saved $2 million in railroad disruption fees. Client: FDOT
11/18 – ongoing	**Massachusetts Movable Bridge Mechanical/Electrical Inspections; MA,** Mechanical engineer responsible for leading the inspection of several movable bridges for the Massachusetts Department of Transportation. Inspections include observation of machinery and operation as well as applicable measurements of machinery components. Findings were compiled into reports that included recommendations. Client: MassDOT.
06/19 – 12/23	**Center Street Swing Bridge; Cleveland, OH,** Mechanical Engineer responsible for the mechanical rehabilitation of the bob-tail swing bridge. This bobtail swing bridge was originally built in 1901 with the most recent rehabilitation occurring in 2009. The bridge consists of a 225'-0" swing span supported by a 28 ft diameter slewing ring bearing. The goal of the project is to repair and replace deficient structural, mechanical, and electrical components to extend the life of the bridge. Efforts include field inspection of existing bridge condition, rehabilitating select operating machinery, span balance ring bearings, and performing balance adjustments. Client: City of Cleveland DOT.
10/19 – 10/20	**PATH Hackensack River Vertical Lift Bridge Mechanical/Electrical Inspection; Jersey City, NJ,** Mechanical Engineer responsible for leading the inspection of the PATH Hackensack River Vertical Lift Bridge for Port Authority of NY & NJ. Inspections include observation of machinery and operation as well as applicable measurements of machinery components. Inspection included NDT Testing of the tower sheaves which required significant coordination between railway and inspection team. Findings were compiled into reports that included recommendations. Client: The Port Authority of NY & NJ.

Firm employed by: WSP USA Inc.

Kevin Walsh, PE | *Electrical Design/Inspection*		Years of relevant experience with this employer	9
		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	BS / Electrical Engineering / University of Massachusetts-Dartmouth / 2007	Year registered	2019
Active registration number / state / expiration date	PE LA 44049 / 3-31-26	Discipline	Electrical

Contract role(s) / brief description of responsibilities:
As an electrical engineer, he has been responsible for the electrical design of lighting systems, ITS power systems, industrial control systems (for movable bridges), low voltage power distribution, lighting, small power, lightning protection, fire alarm, telecommunications, security, standby and emergency power systems.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
06/20 - present	**LADOTD, Harvey Tunnel Electrical Inspection and Rehabilitation, Belle Chase, LA |** Electrical Engineer/Electrical Task Manager for this project which consists of replacing the main power distribution system to support a full upgrade of the tunnel ventilation and drainage systems as well as ancillary systems such as SCADA, fire alarm and gas monitoring systems.
07/18 - 12/22	**FDOT, Pensacola Bay Bridge Replacement Design-Build, Pensacola, FL |** Engineer-of-Record for the ITS electrical design bridge, maintenance lighting design, and assisted in the design of the roadway and aesthetic lighting power distribution system. WSP is providing design services to replace the 3.7-mile existing bridge with twin structures featuring wishbone-tied arch main spans and lowered 10-foot-wide shared-use paths. Detailed piers, color-changing light-emitting diode lighting, decorative railings, and surface finishes will further enhance the architectural theme of the bridges. The project is replacing the signalized interchange at U.S. 98 and 17th Avenue with a direct connection from U.S. 98 to the Pensacola Bay Front Parkway and Interstate 110. Improvements are also being made to the Gulf Breeze Wayside Park.
01/16 – 10/19	**FDOT, Interstate 95 Express Lanes Phase 3A-2 Design-Build, Broward/Palm Beach Counties, FL |** Engineer-of-Record responsible for the lighting and ITS electrical design. Performed various calculations and electrical system modeling such as short circuit studies, selective coordination analysis, and arc flash risk assessments. WSP is providing engineering design services on this eight-mile design-build project to extend express lanes on Interstate 95 and install an intelligent transportation system and toll systems. The project includes widening high-occupancy vehicle lanes and converting them to managed lanes, resulting in two tolled express lanes in each direction. The project also includes new improvements to the Atlantic Boulevard interchange. Work includes milling, resurfacing, drainage, bridge widenings, pedestrian bridge replacement, retaining walls, sound barrier walls, toll gantries, signing and pavement marking, signalization, lighting, ramp metering, utility relocation, and landscaping. Structures include a new pedestrian bridge, new ramp bridge at Atlantic Boulevard, and bridge widening at nine crossings, including a canal, railroad, and multiple roads in a heavily urbanized area.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
11/19 - present	**FDOT, North Bridge Replacement Design, Broward County, FL |** Lead Electrical Engineer. WSP is providing design services for the replacement of the existing bascule bridge over the intercostal waterway with a high elevation fixed bridge. The project also includes mill and resurfacing of Federal Highway from Sunny Lane to north of Juanita Avenue, mill and resurface of County Road 605 (Old Dixie Highway) from Sunny Lane to north of Juanita Avenue and constructing new roadways for the extension of Sunny Lane and Juanita Avenue between Federal Highway and Old Dixie Highway. The existing signalized intersection of State Road A1A and Old Dixie Highway will be removed. A new signalized intersection at Federal Highway and Juanita Avenue will be added. Turn lane modifications were also implemented to U.S. Route 1 (northbound and southbound) to accommodate Janita Avenue to the east.
06/17 – 06/20	**FDOT, State Road 60 Intelligent Transportation System and Lighting Design-Build, Hillsborough County, FL |** Engineer-of-Record responsible for the lighting and ITS electrical design within the Hillsborough County portion of the project. WSP served as the lead design firm for the design and construction of intelligent transportation systems, signalizations, and lighting facilities on the State Road 60 (Courtney Campbell Causeway) corridor from McMullen Booth Road to west of Bayport Drive. Project work includes installation of luminaires, closed-circuit television, microwave vehicle detection sensor, and an arterial dynamic message sign subsystems. The project requires extensive stakeholder coordination between local agencies, utility agency owners, and adjacent ongoing Florida Department of Transportation projects. The firm developed a project system engineering management plan, project intelligent transportation system architecture, requirements traceability verification matrix, and perform its facility management data collection.
02/17 - 10/20	**FDOT, Interstate 10/Interstate 95 Interchange Design-Build, Duval County, FL |** Electrical Engineer. WSP, as subconsultant, performed structural design work for the Interstate 95 interchange at Interstate 10, and preliminary design of the Fuller Warren Bridge and shared-use path over the St. Johns River. The project includes the design of ancillary structures attached to the Fuller Warren Bridge, preparation of hydraulic design recommendations, independent peer review, and other associated tasks.
05/17 – 07/19	**FDOT, Interstate 95 Phase 3B - 1 Design-Build, Broward/Palm Beach Counties, FL |** Engineer-of-Record responsible for the lighting system design. Kevin performed lighting circuit calculations, designed lighting power systems, and performed lighting photometric analysis. WSP provided design services on this Interstate 95 design-build project. The project provided additional capacity, resulting in improved operational conditions, more reliable travel times and reduced user delay. Project improvements included guardrails; barrier walls; attenuators; shoulder gutters; drainage; bridge widenings; bridge replacement; bridge maintenance repairs; temporary and permanent retaining walls; noise walls; sign structures; portable traffic monitoring sites; toll gantry and associated infrastructure including toll equipment building; intelligent transportation systems; signing and pavement markings; express lane markers; lighting; ramp (metering) signals; utility relocation; landscape relocation; and any additional items required to provide a complete highway system.

Firm employed by: WSP USA Inc.

William "Coley" Mitchell, CBI | *Bridge Inspection*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	AS / 2011 / Architectural Engineering	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Relevant Training: FHWA Safety Inspection of In-Service Bridges, 2014 (NHI 130055); Safety Inspect of Fracture-critical Inspection Techniques for Steel Bridges, 2014 (NHI 130078); ASNT Ultrasonic Testing Level I, 2015; ASNT Ultrasonic Testing Level II General Exam, 2016; Bridge Coatings Level 1, 2014 (BCC-12219); FHWA Introduction to Element Level Bridge Inspection, 2014; SPRAT Level I Rope Access Technician, 2014; SPRAT Level II Rope Access Technician, 2017; FHWA Tunnel Safety Inspection, 2016 (NHI 130110); Confined Space Entry Training, 2017; FHWA Inspection and Maintenance of Ancillary Highway Structures, 2016 (NHI 130087); Aerial Training, 2017; American Red Cross Adult First Aid/CPR/AED; OSHA 30-hour Hazard Recognition Training for the Construction Industry, 2014; Bridge Inspection Refresher Training, 2018 (NHI 130053).
LADOTD Traffic Engineering Training Course.

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
09/22 – 01/23	**MDOT, US 82 Greenville Cable-Stayed Bridge over Mississippi River, Mississippi:** As Bridge Inspection Team Leader, he supervised the inspection team and was responsible for the ultrasonic testing and inspection of anchorages. Further he was a member of the rope access team inspecting the pylons and the embedded anchorages.
7/18-12/22	**SCDOT, Bridge Inspection and Load Rating, South Carolina:** Deputy Project Manager of this contract, which consists of bridge inspection and determination of the load capacity ratings for 2,558 structures including truss, segmental, curved steel girder, movable and significantly retrofitted structures. WSP reviewed the plans, inspection reports, previous load ratings and all other available relevant bridge documents. The load ratings were completed utilizing the information provided by SCDOT and supplemented with information from our field inspections. All load ratings were completed with BrR or CSI Bridge. WSP also utilized drones as an inspection tool to help identify specific areas of bridges where a "hands-on" inspection is required. This resulted in reduced time required for traffic control and access equipment, providing a significant cost savings to SCDOT. In addition, WSP performed 160 load tests involving instrumenting the bridges with strain gauges and driving known loads across the bridge, to assist SCDOT with advanced load posting avoidance measures. The results of the test were utilized to create corrected effective structural models to increase and remove load postings from bridges across the state. These results were extrapolated out, to not only remove postings on the bridges tested, but also on similar bridges in SCDOT's inventory. WSP efforts saved the State tens of millions of dollars.
03/16 - ongoing	**TxDOT, Statewide Fracture Critical Inspections, Statewide Texas: Lead NDT Technician:** Mr. Micthell served as the Lead NDT Inspector and Team Member for the inspection of the numerous bridges throughout the state of Texas. Under this contract, Mr. Mitchell has performed over 125 UT inspections of truss pins. Mr. Mitchell also performed UT on a weld of an access hatch on a steel arch as part of a crack assessment during the fracture critical inspection of the Margaret Hunt Hill Bridge in Dallas, TX. He also regularly uses Dye-Penetrant Testing and Magnetic-Particle Testing to document surface flaws on steel members during the fracture critical inspections.

Firm employed by: WSP USA Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
06/16- ongoing	**GDOT, Engineering Services for Cable-Stayed Structures, Georgia:** One of six Team Leaders that completed the inspection and rehabilitation of the Talmadge Memorial Cable-Stayed bridge and Sidney Lanier cable-stayed bridge. This task-order basis contract has included a special member inspection of the Sidney Lanier Bridge (2016) to evaluate exposed strands with various degrees of corrosion present, in-depth NBI and emergency post-hurricane inspection of the Talmadge Memorial Bridge (2017 and 2020) and the rehabilitation of the dampening system for the cable stays, and two rehabilitation design contracts for the Sidney Lanier Bridge. The first rehabilitation project for the Sidney Lanier Bridge primarily addressed deficiencies associated with excessive cable vibration, including repairs to cable-stays with breached protective sheathing and corroded strands. The second rehabilitation project included the installation of external dampers at all 176 stays. Due to geometric constraints, and to minimize impact to traffic, rope access was utilized to inspect several complex bridge elements, including the pylons and below deck stay cable anchorages.
09/16 - ongoing	**CATS Light Rail Asset Inspection and Repair, City of Charlotte-North Carolina:** Deputy Project Manager for the in-service inspection and repairs of hundreds of structures including bridges, culverts, drainage structures, retaining walls and parking structures. This project involves performing both scheduled inspections as well as providing emergency inspections as needed. During this project WSP has responded to 3 emergency situations including, truck impact to a bridge abutment, sinking of approach fill on the tracks at Stonewall Station tracks due to disconnect storm pipe causing erosion and emergency Parking Deck evaluation and GPR due to a class action lawsuit for materials used by the pre-caster. Work completed during the parking deck evaluation included both visual inspection and the use Ground Penetrating Radar (GPR) to identify reinforcement.
06/17-01/18	**MnDOT, St. Croix Bridge Inspection, Minnesota and Wisconsin:** Team Leader for the initial, element level inspection of the St. Croix River Crossing extradosed cable-stayed bridge. A baseline inspection was performed, providing the client with accurate and repeatable reporting of deficiencies. Due to geometric constraints and to minimize impact to ongoing construction activities, rope access was utilized to inspect several complex bridge elements, including the pylons and below deck stay cable anchorages. In addition to inspection, the scope of work included providing recommendations for updating the maintenance and inspection manual for the new signature structure. The 5,279-ft-long bridge opened to traffic in 2017 and contains 10 main-river crossing extradosed cable-supported spans and continuous post-tensioned precast and cast-in-place box girder approach spans.
2011- ongoing	**NCDOT 2011 - 2022, NBIS Bridge Inspection Team Leader, Statewide, North Carolina:** Project Manager. William has been involved with the NCDOT bridge inspection program for 10 years. He has performed field inspections, analysis and load ratings; evaluated the physical condition; and recommended preservation and maintenance needs. To date he has completed over 1,500 inspections, including many of the state's longest structures, segmental boxes, and fracture critical trusses.

SECTION 16

STAFF EXPERIENCE

COLLINS ENGINEERS

Michael Seal, PE
Beau Kamarath, PE | MPR #8
Jackson Kidd, EI
Michael Delveaux
Joshua Johnson, PE (KY PE) | MPR #8
Matthew Rogers, PE (KY PE) | MPR #8
Brian Dilworth, PE (IL PE) | MPR #8
Roy Forsyth, PE, CWI (WI PE)

Andrew Baldwin, EI
Russell Richard, EI
Tanner Harmon
Taylor Arnold, EI
Caroline Knapp, EI
Callen Papineau, EI
Desmond Castillo
Caleb Klein

VOLKERT

Firm employed by: **Collins Engineers, Inc.**

Michael Seal, PE | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	2
		Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization	BS / 2000 / Civil and Environmental Engineering	Year registered	2022
Active registration number / state / expiration date	46395 / LA / 09/30/2024	Discipline	Civil/Environmental

Contract role(s) / brief description of responsibilities:
Mr. Seal will serve as a bridge inspection team 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 years of experience specified in the applicable MPR(s).
06/24 – Ongoing	**FHWA-EFLD, 44 Above-water Bridge Inspections, Statewide, TN – –** Mr. Seal was a Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports.
05/24 - Ongoing	**ADOT, 22 In-depth Above-water Bridge and 3 NSTM Bridge Inspections, Statewide, AZ –** Mr. Seal was the Project Manager and Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He performed NSTM inspections using rope access equipment and was the designated SPRAT supervisor.
03/24 – 05/24	**TxDOT, 22 Routine Above-water Bridge Inspections, Dallas, TX – –** Mr. Seal was a Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports.
02/24 - Ongoing	**ADOT, 49 Routine Above-water Bridge Inspections, South Central District, AZ –** Mr. Seal was the Project Manager and Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices.
01/24 – 03/24	**TxDOT, 32 Routine Above-water Bridge Inspections (WA 2), Corpus Christi, TX – –** Mr. Seal was a Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports.
07/23 – 07/23	**TDOT, NSTM Bridge Inspection, Chattanooga, TN –** Mr. Seal was the Project Manager and Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He performed NSTM inspections using rope access equipment and was the designated SPRAT supervisor.
03/23 – 10/23	**FHWA-EFLD, Above-water and Underwater Inspection of 2 Western Maryland Rail Trail Bridges, Cumberland, MD** – Mr. Seal was a Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
02/23 – Ongoing	**ODOT, 11 NSTM Pier Cap Inspections, District 8, OH –** Mr. Seal was the Project Manager and Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He performed NSTM inspections using rope access equipment and was a designated SPRAT supervisor.
09/22 – 12/22	**TDOT, Tied Arch NSTM Bridge Inspection, Chattanooga, TN –** Mr. Seal was the Project Manager and Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices.
08/22 – 04/24	**NMDOT, 8 NSTM Bridge Inspections, Gallup & Las Cruces, NM –** Mr. Seal was a Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. He performed NSTM inspections using rope access equipment and was a designated SPRAT supervisor.
08/22 – 02/23	**Anacostia Rail Holdings Company, Anacostia Railroad South Indiana 3 NSTM Bridge Inspections, Columbus, IN –** Mr. Seal was the Project Manager and Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He performed NSTM inspections using rope access equipment and was the designated SPRAT supervisor.
08/22 – 02/23	**FHWA-EFLD, United States Air Force 62 Above-water and 5 Underwater Bridge Inspections and 3 Load Ratings, Nationwide –** Mr. Seal was a Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports.
07/22 – 02/23	**Anacostia Rail Holdings Company, Ohio River Bridge NSTM Inspection, Louisville, KY –** Mr. Seal was the Project Manager and Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He performed NSTM inspections using rope access equipment and was the designated SPRAT supervisor.
07/22 – 09/22	**FHWA-EFLD, Mammoth Cave NSTM Inspection, Mammoth Cave, KY** – Mr. Seal was a Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. He performed NSTM inspections using rope access equipment and was a designated SPRAT supervisor.
04/22 – 11/22	**FHWA-EFLD, 26 Above-water Bridge Inspections, 2 NSTM Bridge Inspections, and 1 Tunnel Inspection, Nationwide** – Mr. Seal was a Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports.
05/22 – 01/24	**MDOT, In-Depth and NSTM Bridge Inspections, Billings, MT** – Mr. Seal was a Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. He performed NSTM inspections using rope access equipment and was a designated SPRAT supervisor.
07/20 – 04/22	**OSARC, 163 Timber and Complex Bridge Inspections, Statewide, MS** – Mr. Seal was the Project Manager and Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He performed NSTM inspections using rope access equipment and was a designated SPRAT supervisor.

Firm employed by: Collins Engineers, Inc.

Michael Delveaux | *Bridge Inspection Team Leader*

Years of relevant experience with this employer	9
Years of relevant experience with other employer(s)	3

Degree(s) / Years / Specialization	BS / 2010 / Civil Engineering	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

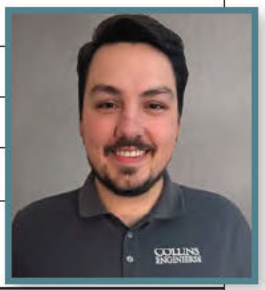
Contract role(s) / brief description of responsibilities:
Mr. Delveaux will serve as a bridge inspection team lead.

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 years of experience specified in the applicable MPR(s).
06/24 - Ongoing	**ALVDOT, Statewide 6 Above-water and Underwater Bridge Inspections (LOA 111), Statewide, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
08/23 – 07/24	**VDOT, Statewide NSTM Inspection 059-1959 (LOA 88), Fredericksburg District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. He performed NSTM inspections using rope access equipment and was a designated SPRAT Team Leader.
03/23 – 07/23	**FHWA-EFLD, 31 Routine Above-water Bridge Inspections and 1 Tunnel Inspection, Nationwide –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing.
01/23 – 07/24	**VDOT, 6 Above-water and Underwater Bridge Inspections (LOA 34), Culpeper District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
09/22 – 02/22	**FHWA-EFLD, Ft Eustis Bridge Acceptance Inspection, Newport News, VA –**Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing.
05/22 – 01/24	**MDOT, 11 NSTM Bridge Inspections (LOA 14), Bristol District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. He performed NSTM inspections using rope access equipment and was a designated SPRAT Team Leader.
02/22 – 05/22	**VDOT, 10 NSTM Bridge Inspections and Pin UTs (LOA 24), Staunton District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. He performed NSTM inspections using rope access equipment and was a designated SPRAT Team Leader.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
02/22 – 05/22	**FHWA-EFLD, 28 Routine Above-water Bridge Inspections and Load Ratings, Nationwide –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing.
06/22 – 03/23	**VDOT, Statewide Bridge Inspections (LOA 49), Fredericksburg District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing.
12/21 – 05/22	**VDOT, Statewide 5 Above-water Bridge Inspections (LOA 36), Richmond District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing.
11/21 – 05/22	**VDOT, Statewide 14 Above-water and 11 Underwater Bridge Inspections (LOA 29), Richmond District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
10/21 – 12/22	**VDOT, Statewide 4 Above-water Bridge and 3 Culvert Inspections (LOA 26), Hampton Roads District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing.
08/21 – 3/22	**VDOT, Statewide 3 Routine Above-water and Underwater Bridge Inspections (LOA 9), Northern Virginia District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
08/21 – 08/22	**VDOT, Statewide 10 Above-water Bridge Inspections (LOA 18), Hampton Roads District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing.
07/21 – 04/22	**VDOT, Statewide 10 Routine Above-water and Underwater Bridge Inspections (LOA 9), Richmond District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
07/21 – 02/22	**FHWA-EFLD, 37 Routine Above-water Inspections and 1 Underwater Bridge Inspection, 47 Load Ratings and 16 Scour Assessments, Nationwide –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
05/21 – 10/21	**VDOT, 2 Rope Access Bridge Inspections (LOA 14), Bristol District, VA –** Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. He performed the inspections using rope access equipment and was a designated SPRAT Team Leader.
08/19 – 11/19	**VDOT, NSTM Coleman Bridge Pin UTs (LOA 22), Hampton Roads District, VA** – Mr. Delveaux was a Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, and report writing. He performed NSTM inspections using rope access equipment and was a designated SPRAT Team Leader.

Firm employed by: Collins Engineers, Inc.

Jackson Kidd, EI | *Bridge Inspection (Virginia EI)*		Years of relevant experience with this employer	2
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2022 / Civil and Environmental Engineering	Year registered	2022
Active registration number / state / expiration date	0420074331 / VA / N/A	Discipline	Civil/Environmental



Contract role(s) / brief description of responsibilities:
Mr. Kidd will provide bridge inspection services.

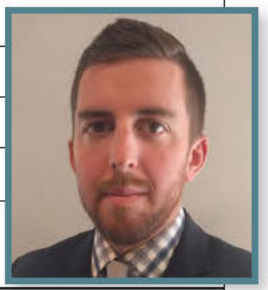
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
06/24 – Ongoing	**VDOT, Statewide 6 Above-water and Underwater Bridge Inspections (LOA 111), Richmond District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
05/24 - Ongoing	**VDOT, Statewide 2 Above-water and Underwater Bridge Inspections (LOA 108), Richmond District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
04/24 – 07/24	**VDOT, Virginia DOT, Statewide 3 Above-Water and Underwater Bridge Inspections (LOA 105), Richmond District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
04/24 – 06/24	**VDOT, Statewide Movable H&H Bridge 050-1958 (LOA 5), Fredericksburg, District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
03/24 – 07/24	**VDOT, Statewide Emergency Fender Inspection Bridge 058-1958 (LOA 104), Fredericksburg District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
11/23 - Ongoing	**DDOT, 50 Routine Bridge Inspections, Washington, DC –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
11/23 – 7/24	**VDOT, Routine Above-water and Underwater Bridge Inspections (LOA 7), Lynchburg, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
08/23 – 07/24	**VDOT, Statewide Fracture Critical Inspection 059-1959 (LOA 88) Fredericksburg District, VA** – Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
07/23 – 07/24	**VDOT, 2 Above-water and 5 Underwater Bridge Inspections (LOA 12), Culpeper District, VA** – Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
06/23 – 12/23	**VDOT, Statewide Movable Berkley Bridge Fender Inspection, Norfolk, VA** – Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
06/23 – 07/22	**VDOT, Statewide 4 Above-water and Underwater Bridge Inspections (LOA 87) Fredericksburg District, VA** – Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
03/23 – 11/23	**FHWA-EFLD, Above-water, Underwater, and Fracture Critical Bridge Inspection, Nationwide –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
03/23 – 10/23	**FHWA-EFLD, Above-water and Underwater Inspection of 2 Western Maryland Rail Trail Bridges, Cumberland, MD –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
03/23 – 07/23	**FHWA-EFLD, 31 Routine Above-water Bridge Inspections and 1 Tunnel Inspection, Nationwide –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
01/23 - Ongoing	**TxDOT, 50 On and Off System Routine Bridge Inspections, Statewide, TX –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
01/23 – 07/24	**VDOT, 1 Underwater Only Bridge, 1 Rope Access Bridge and 4 Above-water and Underwater Bridge Inspections (LOA 8), Culpeper District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
11/22 – 04/23	**VDOT, Statewide Routine Above-water Bridge Inspection (LOA 66), Hampton Roads District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
09/22 – 03/23	**VDOT, Statewide Robert Norris Routine Above-water Bridge Inspection (LOA 50), Fredericksburg District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
09/22 – 07/23	**VDOT, 1 Above-water Rope Access Bridge Inspections and Pin UTs and 7 Underwater Bridge Inspections (LOA 1), Culpeper District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
06/22 – 03/23	**VDOT, Virginia DOT, Statewide 8 Routine Above-Water and Underwater Bridge Inspections (LOA 49), Richmond District, VA –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
04/22 – 11/22	**FHWA-EFLD, 26 Above-water Bridge Inspections, 2 NSTM Bridge Inspections, and 1 Tunnel Inspection, Nationwide –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
03/22 – 07/22	**FHWA-EFLD Natchez Trace Parkway Inspections, Statewide, MS –** Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
02/22 – 10/22	**FHWA-EFLD, NCR 41 Non-NBI Bridge Inspections, 1 Culvert Inspection and Load Ratings, Various Locations, MD** – Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
02/22 – 05/22	**FHWA-EFLD, 28 Routine Above-water Bridge Inspections and Load Ratings, Nationwide** – Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
11/21 – 05/22	**VDOT, Statewide 14 Above-water and 11 Underwater Bridge Inspections (LOA 29), Richmond District, VA** – Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.
10/21 – 08/22	**VDOT, Statewide 3 Above-water and Underwater Bridge Inspections (LOA 24), Richmond District, VA** – Mr. Kidd was a Team Member. He was responsible for performing inspections, gathering field notes, and report writing.

Firm employed by: **Collins Engineers, Inc.**

Beau Kamrath, PE | *Bridge Inspection Team Leader*

Years of relevant experience with this employer	8		
Years of relevant experience with other employer(s)	2		
Degree(s) / Years / Specialization	BSCE / 2013 / Structural Engineering	Year registered	2022
Active registration number / state / expiration date	46453 / LA / 09/30/2024	Discipline	Civil



Contract role(s) / brief description of responsibilities:
Mr. Kamrath will serve as a bridge inspection team 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 years of experience specified in the applicable MPR(s).
05/24 – Ongoing	**VDOT Statewide, Emergency Underwater Bridge Inspection (LOA 112), Richmond District, VA –** Mr. Kamrath was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
01/24 – Ongoing	**VDOT Statewide, 5 Underwater Bridge Inspections (LOA 97), Richmond District, VA –** Mr. Kamrath was the Assistant Project Manager and Dive Team Leader. He was responsible for assisting in preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
01/24 – Ongoing	**VDOT Statewide, 11 Underwater Bridge Inspections (LOA 94), Richmond District, VA –** Mr. Kamrath was the Dive Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
07/23 – 02/24	**VDOT Statewide, 40 Underwater Bridge Inspections (LOA 89), Richmond District, VA –** Mr. Kamrath was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/23 – 11/23	**FHWA-EFLD, 12 Underwater Bridge Inspections, Nationwide –** Mr. Kamrath was the Dive Team Leader. He was responsible for arranging access equipment, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
03/23 – 10/23	**VDOT Statewide, 6 Underwater Bridge Inspections (LOA 65), Richmond District, VA –** Mr. Kamrath was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/23 – 08/23	**VDOT Statewide, 10 Underwater Bridge Inspection (LOA 72), Richmond District, VA –** Mr. Kamrath was the Assistant Project Manager and Dive Team Leader. He was responsible for assisting in preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/22 – 01/23	**VDOT Statewide, 13 Underwater Bridge Inspections (LOA 32), Richmond District, VA –** Mr. Kamrath was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/22 – 01/23	**VDOT Statewide, 34 Underwater Bridge Inspections (LOA 30), Richmond District, VA –** Mr. Kamrath was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
12/21 – 07/22	**VDOT Statewide, Underwater Bridge Inspection (LOA 29), Richmond District, VA –** Mr. Kamrath was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: **Collins Engineers, Inc.**

Joshua Johnson, PE | *Underwater Inspection Team Leader (Kentucky PE)*		Years of relevant experience with this employer	10
		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization	BS / 2003 / Civil Engineering	Year registered	2010
Active registration number / state / expiration date	27049 / KY / 06/30/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Johnson will serve as a team lead providing underwater inspection services.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
05/24 – Ongoing	**ODOT, 11 Underwater Bridge Inspections, District 12, OH –** Mr. Johnson was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/24 – Ongoing	**10DOT, 50 Underwater Bridge Inspections and 4 Bridge Hydrographic Surveys, District 9, OH –** Mr. Johnson was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/24 – Ongoing	**TDOT, 15 Underwater Bridge Inspections, Statewide, TN –** Mr. Johnson was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/24 – Ongoing	**KYTC, 19 Underwater Bridge Inspections, and Hydrographic Surveys (TO 1), Statewide, KY –** Mr. Johnson was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
01/24 – 05/24	**ODOT, Underwater Bridge Inspections (TO 2), District 11, OH –** Mr. Johnson was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy–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 years of experience specified in the applicable MPR(s).].
05/23 – 11/23	**FHWA-EFLD, 12 Underwater Bridge Inspections, Nationwide –** Mr. Johnson was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/23 – 12/23	**KYTC, 8 Underwater Bridge Inspections, and Hydrographic Surveys (TO 1), Statewide, KY –** Mr. Johnson was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/22 – 12/22	**TDOT, Underwater Inspection and Imaging of 9 Off-System Bridges (TO 1), Statewide, TN –** Mr. Johnson was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/22 – 12/22	**TDOT, Underwater Inspection and Imaging of 20 On-System Bridges (TO 1), Statewide, TN –** Mr. Johnson was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/22 – 11/22	**TDOT, Underwater Inspection and Imaging of 19 On-System Bridges (TO 2), Statewide, TN –** Mr. Johnson was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.			
Matthew Rogers, PE, CWI | *Underwater Inspection Team Leader (Kentucky PE)*		Years of relevant experience with this employer	10
		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	MBA / 2015 / Business Administration BS / 2014 / Civil Engineering	Year registered	2021
Active registration number / state / expiration date	36345 / KY / 06/30/2026	Discipline	Civil
Contract role(s) / brief description of responsibilities: Mr. Rogers will serve as a team lead providing underwater inspection services.			

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
05/24 – Ongoing	**ODOT, 11 Underwater Bridge Inspections, District 12, OH –** Mr. Rogers was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/24 – Ongoing	**ODOT, 50 Underwater Bridge Inspections and 4 Bridge Hydrographic Surveys, District 9, OH –** Mr. Rogers was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/24 – Ongoing	**TDOT, 15 Underwater Bridge Inspections, Statewide, TN –** Mr. Rogers was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/24 – Ongoing	**KYTC, 19 Underwater Bridge Inspections, and Hydrographic Surveys (TO 1), Statewide, KY –** Mr. Rogers was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
01/24 – 05/24	**ODOT, Underwater Bridge Inspections (TO 2), District 11, OH –** Mr. Rogers was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy–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 years of experience specified in the applicable MPR(s).].
05/23 – 11/23	**FHWA-EFLD, 12 Underwater Bridge Inspections, Nationwide –** Mr. Rogers was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/23 – 12/23	**KYTC, 8 Underwater Bridge Inspections, and Hydrographic Surveys (TO 1), Statewide, KY –** Mr. Rogers was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/22 – 12/22	**TDOT, Underwater Inspection and Imaging of 9 Off-System Bridges (TO 1), Statewide, TN –** Mr. Rogers was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/22 – 12/22	**TDOT, Underwater Inspection and Imaging of 20 On-System Bridges (TO 1), Statewide, TN –** Mr. Rogers was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/22 – 11/22	**TDOT, Underwater Inspection and Imaging of 19 On-System Bridges (TO 2), Statewide, TN –** Mr. Rogers was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
04/22 – 12/22	**ODOT, 51 Routine Underwater Bridge Inspections (TO 1), District 11, OH –** Mr. Rogers was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.			
Brian Dilworth, PE | *Underwater Inspection Team Leader (Illinois PE)*		Years of relevant experience with this employer	18
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2006 / Civil Engineering	Year registered	2011
Active registration number / state / expiration date	062-063791 / IL / 11/30/2025	Discipline	Civil
Contract role(s) / brief description of responsibilities: Mr. Dilworth will serve as a team lead providing underwater inspection services.			

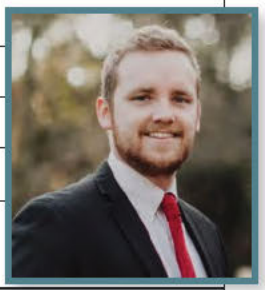
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
05/24 – Ongoing	**INDOT, 250 Underwater Bridge Inspections, Statewide, IN –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/24 – Ongoing	**Amtrak, 10 Underwater Bridge Inspections, Nationwide –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
04/23 – 12/23	**INDOT, 70 Underwater Bridge Inspections, Statewide, IN –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
04/22 – 12/22	**INDOT, 40 Underwater Bridge Inspections, Statewide, IN –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
06/21 – 11/22	**MoDOT, 3 Underwater Bridge Inspections, Cape Girardeau, MO –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
06/20 – 03/21	**MoDOT, 5 Underwater Bridge Inspections, Kansas City, MO –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/20 – Ongoing	**KDOT, 21 Underwater Bridge Inspections, Statewide, KS –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/20 – 03/21	**INDOT, 15 Underwater Bridge Inspections, Statewide, IN –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
02/19 – 03/20	**INDOT, 50 Underwater Bridge Inspections, Statewide, IN –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
09/18 – 04/20	**INDOT, 39 Underwater Bridge Inspections, Statewide, IN –** Mr. Dilworth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.

Andrew Baldwin, EI | *Underwater Inspection Team Leader (Texas EI)*

Years of relevant experience with this employer	5		
Years of relevant experience with other employer(s)	0		
Degree(s) / Years / Specialization	BS / 2019 / Civil Engineering	Year registered	2021
Active registration number / state / expiration date	74669 / TX / 12/02/2029	Discipline	Civil



Contract role(s) / brief description of responsibilities:
Mr. Baldwin will serve as a team lead providing underwater inspection services.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
08/24 – Ongoing	**TxDOT, 48 Underwater Inspections (WA 5), Statewide, TX –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
06/24 – Ongoing	**USFWS-SEH, Fishing Bridge Underwater Inspection, Vian, OK –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
05/24 – Ongoing	**ODOT, 11 Underwater Bridge Inspections, District 12, OH –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
03/24 – 03/24	**Tradepoint Atlantic, Bridge AC-1 Underwater Inspection, Sparrows Point, MD –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
01/24 – Ongoing	**TxDOT, 63 Underwater Inspections (WA 3), Statewide, TX –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
03/23 – 11/23	**FHWA-EFLD, Above-water, Underwater, and Fracture Critical Bridge Inspection, Nationwide –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
08/21 – 08/22	**VDOT, Statewide Underwater Bridge Inspections (LOA 24), Northern Virginia District, VA –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
06/21 – 08/22	**Amtrak, 52 Underwater Bridge Inspections, Nationwide –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
06/21 – 02/22	**VDOT, Statewide 4 Emergency Scour Inspections (LOA 19), Fredericksburg, VA –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
01/21 – 01/22	**VDOT, Statewide 50 Routine Underwater Bridge Inspections (LOA 17), Statewide, VA –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
08/20 – 12/20	**VDOT, 9 Emergency Above-water and Underwater Bridge Inspections (LOA 55), Richmond District, VA –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.
07/20 – 04/22	**VDOT, Statewide 89 Underwater Bridge Inspections (LOA 15), Statewide, VA –** Mr. Baldwin was a Dive Team Leader. He was responsible for arranging access equipment, scheduling work, performing and leading inspections, gathering field notes, and quality control reviews of reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.			
Taylor Arnold, EI | *Underwater Inspection (Georgia EI)*		Years of relevant experience with this employer	3
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2021 / Civil Engineering	Year registered	2021
Active registration number / state / expiration date	0420073557 / GA / N/A	Discipline	Civil
Contract role(s) / brief description of responsibilities: Mr. Arnold will provide underwater inspection services.			

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
05/24 – Ongoing	**FHWA-EFL, 28 United States Air Force Bridge Inspections, Nationwide –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/24 – Ongoing	**VDOT, 10 Underwater and 1 Above-water and Underwater Inspection (LOA 14), Lynchburg District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
01/24 – Ongoing	**VDOT Statewide, 5 Underwater Bridge Inspections (LOA 97), Richmond District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
01/24 – Ongoing	**VDOT Statewide, 11 Underwater Bridge Inspections (LOA 94), Richmond District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
09/23 – 12/23	**FHWA EFLD, 5 National Park Services Underwater Bridge Inspections, Nationwide –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
07/23 – 02/24	**VDOT Statewide, 40 Underwater Bridge Inspections (LOA 89), Richmond District, VA** – Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
05/23 – 11/23	**FHWA-EFLD, 12 Underwater Bridge Inspections, Nationwide** – Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy–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 years of experience specified in the applicable MPR(s).].
03/23 – 08/23	**VDOT Statewide, 7 Underwater Bridge Inspections (LOA 67), Fredericksburg District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/23 – 08/23	**VDOT Statewide, 10 Underwater Bridge Inspection (LOA 72), Richmond District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
07/22 – 03/23	**VDOT Statewide, 2 Underwater Bridge Inspections (LOA 19), Richmond District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/22 – 08/22	**VDOT Statewide, Above-water and Underwater Bridge Inspections (LOA 39), Richmond District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/22 – 01/23	**VDOT Statewide, 13 Underwater Bridge Inspections (LOA 32), Richmond District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/22 – 01/23	**VDOT Statewide, 34 Underwater Bridge Inspections (LOA 30), Richmond District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
12/21 – 07/22	**VDOT Statewide, Underwater Bridge Inspection (LOA 29), Richmond District, VA –** Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
09/21 – 08/22	**VDOT Statewide, 7 Underwater Bridge Inspections (LOA 27), Fredericksburg District, VA** – Mr. Arnold was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.

Caroline Knapp, EI | *Underwater Inspection*
(Virginia EI)

Years of relevant experience with this employer	3		
Years of relevant experience with other employer(s)	0		
Degree(s) / Years / Specialization	BS / 2021 / Civil Engineering	Year registered	2021
Active registration number / state / expiration date	0420073811 / VA / N/A	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Ms. Knapp will provide underwater inspection services.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
05/24 – Ongoing	**VDOT Statewide, Emergency Underwater Bridge Inspection (LOA 112), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
05/24 – Ongoing	**FHWA-EFL, 28 United States Air Force Bridge Inspections, Nationwide –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/24 – Ongoing	**VDOT, 10 Underwater and 1 Above-water and Underwater Inspection (LOA 14), Lynchburg District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
01/24 – Ongoing	**VDOT Statewide, 5 Underwater Bridge Inspections (LOA 97), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
01/24 – Ongoing	**VDOT Statewide, 11 Underwater Bridge Inspections (LOA 94), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
09/23 – 12/23	**FHWA EFLD, 5 National Park Services Underwater Bridge Inspections, Nationwide –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
07/23 – 02/24	**VDOT Statewide, 40 Underwater Bridge Inspections (LOA 89), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
05/23 – 11/23	**FHWA-EFLD, 12 Underwater Bridge Inspections, Nationwide –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/23 – 08/23	**VDOT Statewide, 10 Underwater Bridge Inspection (LOA 72), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
07/22 – 03/23	**VDOT Statewide, 2 Underwater Bridge Inspections (LOA 19), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/22 – 08/22	**VDOT Statewide, Above-water and Underwater Bridge Inspections (LOA 39), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/22 – 01/23	**VDOT Statewide, 13 Underwater Bridge Inspections (LOA 32), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/22 – 01/23	**VDOT Statewide, 34 Underwater Bridge Inspections (LOA 30), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
12/21 – 07/22	**VDOT Statewide, Underwater Bridge Inspection (LOA 29), Richmond District, VA –** Ms. Knapp was a Dive Team Member. She performed inspections, gathered field notes, and wrote reports. Additionally, she performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. She performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.			
Callen Papineau, EI | *Underwater Inspection (Virginia EI)*		Years of relevant experience with this employer	3
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2021 / Civil Engineering	Year registered	2021
Active registration number / state / expiration date	0420073852 / VA / N/A	Discipline	Civil
Contract role(s) / brief description of responsibilities: Mr. Papineau will provide underwater inspection services.			

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
05/24 – Ongoing	**FHWA-EFL, 28 United States Air Force Bridge Inspections, Nationwide –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
03/24 – 06/24	**FHWA-EFLD, 9 Above-water and 3 Underwater Bridge Inspections, Charleston, SC –** Mr. Papineau was a Bridge Inspect Team Member and a Dive Team Member. He performed above-water and underwater inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
01/24 – 02/24	**City of Alexandria, Potomac Ave Bridge Underwater Inspection, Alexandria, VA –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
09/23 – 12/23	**FHWA EFLD, 5 National Park Services Underwater Bridge Inspections, Nationwide –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
07/23 – 02/24	**VDOT Statewide, 40 Underwater Bridge Inspections (LOA 89), Richmond District, VA –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
02/23 – 03/23	**TxDOT, 13 Underwater Inspections (WA 1), Statewide, TX –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
04/22 – 12/22	**ODOT, 51 Underwater Bridge Inspections, District 11, OH –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
08/21 – 12/21	**VDOT, Statewide 2 Routine Underwater Bridge Inspections (LOA 24), Statewide, VA –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
06/21 – 02/22	**VDOT, Statewide 4 Emergency Scour Inspections (LOA 19), Fredericksburg, VA –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
03/21 – 08/21	**DDOT, 12 Bridge Underwater Inspections, Washington, DC –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
01/21 – 01/22	**VDOT, Statewide 50 Routine Underwater Bridge Inspections (LOA 17), Statewide, VA –** Mr. Papineau was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.			
Desmond Castillo | *Underwater Inspection*		Years of relevant experience with this employer	4
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2022 / Civil Engineering	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a
Contract role(s) / brief description of responsibilities: Mr. Castillo will provide underwater inspection services.			

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
01/24 – Ongoing	**TxDOT, 63 Underwater Bridge Inspections (WA 3) –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
10/23 – 04/24	**NAVFAC Midlant, P930 Evaluation, Norfolk, VA –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
09/23 – 05/24	**NAVFAC Midlant, Piers 12 and 14 Inspections, Norfolk, VA–** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
09/23 – 11/23	**City of Beaumont, Neches River Infrastructure Inspections, Beaumont, TX –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
09/23 – 12/23	**NAVFAC-EXWC, Bangor Marginal Wharf Underwater Inspections, Bangor, WA –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
06/23 – 12/23	**Port of Tampa, Berth 139 Waterfront Facility Inspection, Tampa, FL** – Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
07/23 – 12/23	**Port Arthur International Public Port, Berth 6 Construction Management / Construction Inspections Auxiliary, Port of Port Arthur, TX** – Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
05/23 – 05/24	**BAE Systems Jacksonville Ship Repair, Inc., 4K Railway Survey and Certification, Jacksonville, FL –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
05/23 – 06/23	**Buckeye Partners, L.P., Emergency Waterfront Inspection of Marrero Terminal Dock 3, Marrero, LA –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
02/23 – 03/23	**TxDOT, 13 Underwater Bridge Inspections (WO 1), Statewide, TX –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
01/23 – 03/23	**Cheniere - Sabine Pass LNG, Above-water and Underwater Inspection, Sabine Pass, LA –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
01/23 – 03/23	**Orange County Economic Development Corporation, Humble Island Study, Orange, TX –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
04/22 – 04/22	**BASF Chemicals Division, Underwater Railroad Bridge Inspection, Freeport, TX –** Mr. Castillo was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.			
Caleb Klein | *Underwater Inspection*		Years of relevant experience with this employer	1
		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	AAS / 2024 / Process Operations	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a
Contract role(s) / brief description of responsibilities: Mr. Klein will provide underwater inspection services.			

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
07/24 – Ongoing	**USCG - CEU-Cleveland, OH, Hawkins Point Underwater Inspection, Baltimore, MD –** Mr. Klein was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
06/24 – Ongoing	**USFWS, Fishing Bridge Underwater Inspection, Vian, OK –** Mr. Klein was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
05/24 – Ongoing	**FHWA-EFL, 28 United States Air Force Bridge Inspections, Nationwide –** Mr. Klein was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
04/24 – Ongoing	**CSX Transportation, Inc., B&O Pier Underwater Construction Inspection, Curtis Bay, MD –** Mr. Klein was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
04/24 – Ongoing	**USCG, 26 ATON Inspections and Assessments (TO 13), Various Locations, TX/FL/PR –** Mr. Klein was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
01/24 – Ongoing	**TxDOT, 63 Underwater Bridge Inspections (WA 3) –** Mr. Klein was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.
12/23 – 04/24	**USCG Galveston Base, Inspection of Existing Breakwater, Galveston, TX –** Mr. Klein was a Dive Team Member. He performed inspections, gathered field notes, and wrote reports. Additionally, he performed standard inspection practices, including crack gauging and concrete-sounding field note preparation. He performed diving operations as a diver using commercial SCUBA or SSA equipment or operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.			
Roy Forsyth, PE, CWI | *Underwater Inspection Team Leader (Wisconsin PE)*		Years of relevant experience with this employer	21
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	MS / 2010 / Structural Engineering BS / 2003 / Civil Engineering	Year registered	2007
Active registration number / state / expiration date	39042 / WI / 07/31/26	Discipline	Civil
Contract role(s) / brief description of responsibilities: Mr. Forsyth will serve as team lead providing underwater inspection services.			

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
12/22 - 06/23	**Nebraska DOT, Olsson Niobrara Underwater Inspection, Niobrara, NE –** Mr. Forsyth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading the inspection and imaging, gathering field notes, quality control review of the report, and submitting final deliverables and invoices. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment as the designated diving supervisor.
06/22 - 12/22	**Mackinac Bridge Authority, Mackinac Bridge Underwater Inspection, St. Ignace, MI –** Mr. Forsyth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading the inspection and imaging, gathering field notes, quality control review of the report, and submitting final deliverables and invoices. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment as the designated diving supervisor.
10/17 - 04/18	**MDT, 2 Underwater Bridge Inspections and Acoustic Imaging, Various Locations, MT –** Mr. Forsyth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections and imaging, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment as the designated diving supervisor.
01/20 - 05/20	**ALDOT, Duncan Underwater Bridge Inspection and Imaging, Winston County, AL –** Mr. Forsyth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading the inspection and imaging, gathering field notes, quality control review of the report, and submitting final deliverables and invoices. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
07/19 – 06/20	**NDOT, Emergency Underwater Inspection and Imaging of 28 Bridges, Statewide, ND –** Mr. Forsyth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections and imaging, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment as the designated diving supervisor.
04/18 – 02/19	**NDOT, 178 Underwater Bridge Inspections, and 7 Hydrographic Surveys/Imaging, Statewide, ND –** Mr. Forsyth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections and imaging, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and 7 hydrographic surveys with 2-D acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment as the designated diving supervisor.
07/17 – 4/18	**WisDOT, Underwater Construction Inspection and Imaging, Wisconsin Rapids, WI –** Mr. Forsyth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading the inspection and imaging, gathering field notes, quality control review of the report, and submitting final deliverables and invoices. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment as the designated diving supervisor.
12/16 – 01/18	**WisDOT, Emergency Underwater Imaging of 3 Bridges (WO 18), Ashland, WI –** Mr. Forsyth was the Project Manager and Dive Team Leader. He was responsible for managing the project, preparing the fee estimate, arranging access equipment, scheduling work, performing and leading inspections and imaging, gathering field notes, quality control reviews of reports, and submitting final deliverables and invoices. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment as the designated diving supervisor.

Firm employed by: Collins Engineers, Inc.			
Russell Richard, EI | *Underwater Inspection Team Leader (Wisconsin EI)*		Years of relevant experience with this employer	21
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	MS / 2010 / Structural Engineering BS / 2010 / Architectural Engineering	Year registered	2010
Active registration number / state / expiration date	N/A / WI / N/A	Discipline	Civil
Contract role(s) / brief description of responsibilities: Mr. Richard will serve as team lead providing underwater inspection services.			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
04/23 – 12/23	**City of Jacksonville, Northbank Bulkhead Condition Assessment and Imaging, Jacksonville, FL –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
05/22 – 12/22	**TDOT, Underwater Inspection and Imaging of 9 Off-System Bridges (TO 1), Statewide, TN –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
05/22 – 12/22	**TDOT, Underwater Inspection and Imaging of 20 On-System Bridges (TO 1), Statewide, TN –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
05/22 – 11/22	**TDOT, Underwater Inspection and Imaging of 19 On-System Bridges (TO 2), Statewide, TN –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
05/22 – 09/22	**TDOT, Underwater Inspection and Imaging of 1 Off-System Bridge (TO 2), Doyle, TN** – Mr. Richard was the Dive Team Leader. He was responsible for performing and leading the inspection, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
03/21 – 02/22	**VDOT Statewide, Underwater Bridge Inspection and Imaging (LOA 18), Sussex, VA** – Mr. Richard was the Dive Team Leader. He was responsible for performing and leading the inspection, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
04/22 – 08/22	**Rhode Island Turnpike and Bridge Authority, 4 Underwater Bridge Inspections and Imaging (TO 2), Various Locations, RI –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
06/17 – 12/21.	**ODOT, 37 Underwater Bridge Inspections, District 11, OH –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
01/17 – 04/18	**KYTC, 6 Underwater Bridge Inspections and Imaging, Statewide, KY –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
06/16 – 05/17	**TDOT, 6 Underwater Bridge Inspections and Acoustic Imaging of 4 Bridges, Statewide, TN –.** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
05/14 – 08/16	**City of Worcester, Pine Hill Reservoir Underwater Dam Inspection, Worchester, MA** – Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
12/14 – 04/17	**VDOT Statewide, 11 Underwater Bridge Inspections (LOA 94), Richmond District, VA** – Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.

Firm employed by: Collins Engineers, Inc.			
Tanner Harmon | *Underwater Inspection Team Leader*		Years of relevant experience with this employer	6
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2017 / Mechanical Engineering	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a
Contract role(s) / brief description of responsibilities: Mr. Harmon will serve as team lead providing underwater inspection services.			

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
06/23 – 06/24	**Con Edison, Hell Gate Wharf Repair and Rehabilitation (TO 2), New York, NY –** Mr. Harmon was a Team Member / Dive Team Member. He was responsible for performing imaging using an Acoustic Imaging Device to determine basic dimensions, any infill or scour, and gathering field notes. Mr. Harmon also operated the comms box and diving equipment.
03/20 – 02/23	**Port of Port Arthur, Berth 5 Construction Management and Construction Inspection, Port Arthur, TX –** Mr. Harmon was a Team Member / Diver. He was responsible for inspecting, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
10/20 – 06/21	**Moran Towing, Underwater Bulkhead Inspection, Cameron, LA –** Mr. Harmon was a Team Member / Dive Team Member. He was responsible for performing imaging using an Acoustic Imaging Device to determine basic dimensions, any infill or scour, and gathering field notes. Mr. Harmon also operated the comms box and diving equipment.
06/19 – 06/20	**Canadian National Railway, Bonnet Carre Emergency Underwater Imaging, New Orleans, LA –** Mr. Harmon was a Team Member / Dive Team Member. He was responsible for performing imaging using an Acoustic Imaging Device to determine basic dimensions, any infill or scour, and gathering field notes. Mr. Harmon also operated the comms box and diving equipment.
07/24 - Ongoing	**MDOT, Underwater Imaging of 3 Bridges and Hydrographic Survey of 1 Bridge, Statewide, MT –** Mr. Harmon was a Team Member / Dive Team Member. He was responsible for performing hydrographic surveys and gathering field notes. Mr. Harmon also operated the comms box and diving equipment.
08/24 - Ongoing	**MDOT, Underwater Inspections and Hydrographic Survey of 36 Bridges, Statewide, MT –** Mr. Harmon was a Team Member / Dive Team Member. He was responsible for performing imaging using an Acoustic Imaging Device to determine basic dimensions, any infill or scour, and gathering field notes. Mr. Harmon also operated the comms box and diving equipment.
01/23 – 03/23	**Orange County Economic Development Corporation, Humble Island Study, Orange, TX** – Mr. Harmon was a Team Member. He was responsible for performing hydrographic surveys and gathering field notes.
10/21 – 04/22	**Orange County Economic Development Corporation, Westport Marine Holdings Survey, Orange, TX** – Mr. Harmon was a Team Member. He was responsible for performing hydrographic surveys and gathering field notes.

Firm employed by: Collins Engineers, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
04/22 – 08/22	**Rhode Island Turnpike and Bridge Authority, 4 Underwater Bridge Inspections and Imaging (TO 2), Various Locations, RI –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
06/17 – 12/21.	**ODOT, 37 Underwater Bridge Inspections, District 11, OH –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
01/17 – 04/18	**KYTC, 6 Underwater Bridge Inspections and Imaging, Statewide, KY –** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
06/16 – 05/17	**TDOT, 6 Underwater Bridge Inspections and Acoustic Imaging of 4 Bridges, Statewide, TN –.** Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
05/14 – 08/16	**City of Worcester, Pine Hill Reservoir Underwater Dam Inspection, Worchester, MA** – Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.
12/14 – 04/17	**VDOT Statewide, 11 Underwater Bridge Inspections (LOA 94), Richmond District, VA** – Mr. Richard was the Dive Team Leader. He was responsible for performing and leading inspections, imaging, and gathering field notes. He also performed standard inspection practices, including crack gauging, concrete-sounding field note preparation, and acoustic imaging using an Acoustic Imaging Device to determine basic dimensions and any infill or scour. His diving operations were performed using commercial SCUBA or SSA equipment, and he operated the comms box and diving equipment.

SECTION 16

STAFF EXPERIENCE

BURGESS & NIPLE

Drew Appler, PE
Michael J. Kronander, PE
Brendan J. Prendeville, PE
Edward M. Cinadr, PE
Andrew Goodrich, PE

VOLKERT

Firm employed by: **Burgess & Niple, Inc.**

Edward M. Cinadr, PE | *Rope Access (SPRAT)*

Years of relevant experience with this employer	26		
Years of relevant experience with other employer(s)	3		
Degree(s) / Years / Specialization	BSCE/MSCE – Ohio University (1995/1997)	Year registered	2010
Active registration number / state / expiration date	PE #35390 / Louisiana / 9/30/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Cinadr will serve as a SPRAT rope access 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 years of experience specified in the applicable MPR(s).
12/09 – 10/11	**LADOTD State Proj. No. 700-99-0494:** Lead bridge inspector, performed field inspection of major trusses and gusset plate inspection, gathered data for bridge load rating. Utilized industrial rope access for inspection. Teamed with SDR on the following bridges: LA-90/Morgan City, I-20/Vicksburg, I-10/Baton Rouge, LA-70/Donaldsonville, US-190/Krotz Springs, I-10/Calcasieu.
04/16 – 01/18	**LADOTD Contract No. 4400004920 (TO 1):** Lead bridge inspector, performed field inspection & load ratings of major trusses including gusset plate inspection & rating on three major trusses, LA-47/IWGO, US-90/New Orleans River bound Expressway, and LA-2/Millers Bluff. Utilized industrial rope access for inspection.
12/19 – 6/21	**LADOTD Contract No. 4400004920 (TO 5):** Lead bridge inspector, performed field inspection of off-system bridges and QA of load rating calculations, 29 total bridges.
12/21 - ongoing	**LADOTD Contract No. 4400017264:** Contract Manager and Team Leader for Inspection for Rehab of IWGO/LA47/Green Bridge.
06/18 - ongoing	**Oregon DOT Agreement B34825:** Lead Inspector and Contract Manager for Fracture Critical, Fatigue Prone, In-Depth, and Routine Inspections of major bridges including Astoria-Megler trusses, Coos Bay/McCullough Memorial trusses, and West Fremont Complex (seven FC steel tub girders and pier caps). Utilized industrial rope access for inspection.
04/19 - ongoing	**Oklahoma DOT Contract ID 2063A:** Contract Manager and Team Leader for Fracture Critical and Routine Inspections of 87 Off-System truss and FC bridges. Project includes load ratings and updates to include EV/SHV loadings and Critical Finding repair/rehab detail development. Utilized industrial rope access for inspection.
04/19 - ongoing	**Oklahoma DOT Contract ID 2064:** Contract Manager and Team Leader for Fracture Critical and Routine Inspections of 50 On-System truss and FC bridges. Utilized industrial rope access for inspection.

Firm employed by: Burgess & Niple, Inc.

Brendan J. Prendeville, PE | *Rope Access (SPRAT)*

Years of relevant experience with this employer	21		
Years of relevant experience with other employer(s)	0		
Degree(s) / Years / Specialization	BSCE – Ohio State University (2004)	Year registered	2010
Active registration number / state / expiration date	PE# 45371 / Louisianna / 9/30/25	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Prendeville will serve as a SPRAT rope access 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 years of experience specified in the applicable MPR(s).
12/09 – 10/11	**LADOTD State Proj. No. 700-99-0494:** Bridge inspection engineer, performed field inspection of major trusses and gusset plate inspection, gathered data for bridge load rating. Utilized industrial rope access for inspection. Teamed with LPA Group (Baker) on the following bridges: LA-90/Morgan City, I-20/Vicksburg, I-10/Baton Rouge, LA-70/Donaldsonville, US-190/Krotz Springs, I-10/Calcasieu.
04/16 – 01/18	**LADOTD Contract No. 4400004920 (TO 1):** Bridge inspection engineer, performed field inspection & load ratings of major trusses including gusset plate inspection & rating on three major trusses, LA-47/IWGO, US-90/New Orleans River bound Expressway, and LA-2/Millers Bluff. Utilized industrial rope access for inspection.
12/19 – 04/21	**LADOTD Contract No. 4400004920 (TO 5):** Project Manager, Bridge inspection engineer, performed field inspection of off-system bridges and load rating calculations, 29 total bridges.
08/20 – 03/22	**Ohio DOT DEL-23 Bridge & Structure Evaluations:** Project Manager and Lead Bridge Inspection Engineer for over 200 structures, including bridges, culverts, and drainage structures. Bridge evaluation work includes in-depth assessment of decks including coring, Chloride Ion sampling, and other testing. Rehabilitation recommendations provided for each structure.
06/18 – 07/21	**Oregon DOT Agreement B34825:** Project Manager & Bridge Inspection Engineer for Fracture Critical, Fatigue Prone, In-Depth, and Routine Inspections of major bridges including Astoria-Megler trusses, Coos Bay McCullough Memorial trusses, and West Fremont Complex (seven FC steel tub girders and pier caps). Utilized industrial rope access for inspection.
04/19 – 04/21	**Oklahoma DOT Contract ID 2063A:** Team Leader for Fracture Critical and Routine Inspections of 87 Off-System truss and FC bridges. Project includes load ratings and updates to include EV/SHV loadings and Critical Finding repair/rehab detail development. Utilized industrial rope access for inspection.
04/19 – 04/21	**Oklahoma DOT Contract ID 2064:** Team Leader for Fracture Critical and Routine Inspections of 50 On-System truss and FC bridges. Utilized industrial rope access for inspection.
10/21 – 02/22	**LADOTD Contract No. 4400017264 (TO 1) – T**eam Leader for Inspection for Rehabilitation of the LA-47/IWGO/MRGO/Green Bridge over the Mississippi River. Deficiencies documented to assist rehabilitation plan development. Rope access and mechanical access utilized for access.

Firm employed by: **Burgess & Niple, Inc.**

Michael J. Kronander, PE | *Rope Access (SPRAT)*

Years of relevant experience with this employer	13
Years of relevant experience with other employer(s)	9

Degree(s) / Years / Specialization	BSCE – Ohio State University (2011)	Year registered	2017
Active registration number / state / expiration date	PE #42172 / Louisianna / 03/31/2026	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Kronander will serve as a SPRAT rope access 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 years of experience specified in the applicable MPR(s).
04/16 – 01/18	**LADOTD Contract No. 4400004920 (TO 1):** Bridge inspection engineer, performed field inspection & load ratings of major trusses including gusset plate inspection & rating on three major trusses, LA-47/IWGO, US-90/New Orleans River bound Expressway, and LA-2/Millers Bluff. Utilized industrial rope access for inspection.
12/21 – 06/22	**LADOTD Contract No. 4400017264:** Bridge Inspection Engineer for Inspection for Rehab of IWGO/LA47/Green Bridge.
02/19 – 12/21	**Ohio DOT Voinovich Bridges In-Depth, Fracture Critical, & Routine Inspection.** Serves as the Project Manager and Team Leader for inspections of two signature long-span steel delta-frame bridges. Utilized industrial rope access for inspection.
06/18 – 06/23	**Oregon DOT Agreement B34825:** Bridge Inspection Engineer for Fracture Critical, Fatigue Prone, In-Depth, and Routine Inspections of major bridges including Astoria-Megler trusses, Coos Bay/McCullough Memorial trusses, and West Fremont Complex (seven FC steel tub girders and pier caps). Utilized industrial rope access for inspection.
08/18 - ongoing	**Iowa DOT Border Bridge Inspections:** Field Lead for several complex bridges along the Iowa border over the Missouri and Mississippi River. Types of bridges include steel girder, suspension, truss and arches. Utilized industrial rope access for inspection.
12/23 - ongoing	**Ohio DOT CUY-10 Bridge Rehabilitation/Replacement:** Team Leader for in-depth and rehabilitation inspection of steel deck truss to assess to costs of repairs for the steel superstructure portion of the bridge near downtown Cleveland, OH. Utilized industrial rope access, a snooper and traffic control for the inspection.
04/23 - ongoing	**Oklahoma DOT On / Off-system Bridge Inspections & Load Ratings:** Team Leader for FC and routine inspections for state on and off-system bridges statewide. Load ratings performed in Bar 7 and Excel.

Firm employed by: **Burgess & Niple, Inc.**

James "Drew" Appler, PE | *Rope Access (SPRAT)*		Years of relevant experience with this employer	4
		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization	BSCE – University of South Florida (2008)	Year registered	2023
Active registration number / state / expiration date	PE #47675 / Louisianna / 09/30/2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Appler will serve as a SPRAT rope access 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 years of experience specified in the applicable MPR(s).
04/16 – 01/18	**LADOTD Contract No. 4400004920 (TO 1):** Bridge inspection engineer, performed field inspection & load ratings of major trusses including gusset plate inspection & rating on three major trusses, LA-47/IWGO, US-90/New Orleans River bound Expressway, and LA-2/Millers Bluff. Utilized industrial rope access for inspection.
10/22 – ongoing	**LADOTD Contract No. 4400023510:** Bridge inspection engineer, performed field inspection of major trusses including gusset plate inspection & on three major trusses, LA-3213 Veterans Memorial Bridge (Grammercy), LA-27 Gibbstown Intercoastal Waterway, I-20 over the Mississippi in Vicksburg and US-79 Texas St. Bridge in Shreveport. Led the industrial rope access teams for NSTM inspections.
12/21 - ongoing	**LADOTD Contract No. 4400017264:** Bridge Inspection Engineer for Inspection for Rehab of IWGO/LA47/Green Bridge.
02/19 – 06/22	**Ohio DOT Voinovich Bridges In-Depth, Fracture Critical, & Routine Inspection.** Serves as the Project Manager and Team Leader for inspections of two signature long-span steel delta-frame bridges. Utilized industrial rope access for inspection.
06/18 – 09/22	**Oregon DOT Agreement B34825:** Bridge Inspection Engineer for Fracture Critical, Fatigue Prone, In-Depth, and Routine Inspections of major bridges including Astoria-Megler trusses, Coos Bay/McCullough Memorial trusses, and West Fremont Complex (seven FC steel tub girders and pier caps). Utilized industrial rope access for inspection.
04/19 - ongoing	**Oklahoma DOT Contract ID 2063A:** Team Leader for Fracture Critical and Routine Inspections of 87 Off-System truss and FC bridges. Project includes load ratings and updates to include EV/SHV loadings and Critical Finding repair/rehab detail development. Utilized industrial rope access for inspection.
04/19 - ongoing	**Oklahoma DOT Contract ID 2064:** Team Leader for Fracture Critical and Routine Inspections of 50 On-System truss and FC bridges. Utilized industrial rope access for inspection.
10/19 - 2022	**Mississippi OSARC Bridge Inspections & Load Ratings:** Team Leader for in-depth and routine inspections of Off-System bridges including timber, steel, and concrete structures. Load ratings performed in BrR, MIDAS and Excel.

Firm employed by: **Burgess & Niple, Inc.**

Andrew Goodrich, PE | *Rope Access (SPRAT)*
(West Virginia PE)

Years of relevant experience with this employer	12		
Years of relevant experience with other employer(s)	0		
Degree(s) / Years / Specialization	BSCE – Fairmont State College (2011)	Year registered	2018
Active registration number / state / expiration date	PE #023343 / West Virginia / 12/31/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Goodrich will serve as a SPRAT rope access 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 years of experience specified in the applicable MPR(s).
05/21 – ongoing	**WV State Project T610-19-15.38 00: New River Gorge Bridge.** Project manager and bridge inspection team leader for Fracture Critical and Routine Inspections. Performed field inspection of deck trusses, floorbeam trusses, arch trusses, gusset plates, and steel bents. Utilized industrial rope access and specialized mechanical equipment for inspection.
05/18 – 12/23	**WV State Project T605-P2-0.01 00: Market Street Bridge.** Project manager and bridge inspection team leader for Fracture Critical and Routine Inspections. Performed field inspection and load ratings of suspension cables, floorsystem, stiffening trusses, cable towers, cantilever supports, and piers/bents. Utilized industrial rope access for inspection.
06/16 – 12/21	**WV State Project T654-77-186.77 00: Williamstown-Marietta I-77 Bridge.** Bridge inspection engineer for Fracture Critical, In-Depth, and Routine Inspections. Performed field inspection of through truss, gusset plates, approach girders, and piers. Utilized industrial rope access for inspection.
03/20 – ongoing	**WV State Project T654-618-0.01: Parkersburg-Belpre Bridge.** Bridge inspection engineer and inspection team leader for Fracture Critical and Routine Inspections. Performed field inspection of cantilever through trusses, gusset plates, floorsystem, approach girders, and piers. Utilized industrial rope access and mechanical equipment for inspection.
05/18 – 10/23	**WV State Project T654-014-13.22: Fifth Street Bridge.** Bridge inspection engineer and inspection team leader for Fracture Critical and Routine Inspections. Performed field inspection of through truss, gusset plates, approach girders, cross-girders, cantilever supports, and piers. Utilized industrial rope access and mechanical equipment for inspection.
01/16 – 12/18	**WV State Project T627-P62-0.00 00: Bridge of Honor.** Bridge inspection engineer for Fracture Critical and Routine Inspections. Performed field inspection of Stay cables, PT stay towers, PT edge girders, PT floorbeams, and piers. Utilized industrial rope access and mechanical equipment for inspection.

SECTION 16

STAFF EXPERIENCE

MARINE SOLUTIONS

John Loftus, PE
Ross Whiting, PE (KY PE)
Kyle Morrow, PE
Austin Barber, PE (FL PE)
Joseph Guthrie
Ian Conrath
Tyler Estes
Morgan Gebert
Brian Hughes
Anderson Potter, PE
Brad Koch, PE (CO PE)

VOLKERT

Firm employed by: Marine Solutions			
John Loftus, PE | *Underwater Inspections Team Leader*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	B.S. Civil Engineering, Marquette University, Milwaukee, WI, 2003 Dive Certificate, Minnesota Commercial Diver Training Center, 2009	Year registered	2024
Active registration number / state / expiration date	PE # 0049019, Louisiana, 09/30/2024	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Loftus is a licensed professional engineer, NBIS-certified inspection team leader, and ADCI-certified dive supervisor with broad experience in inspection, assessment, rehabilitation, and hydrographic surveys of bridges and waterfront structures. He has worked as an engineer and performed over 500 bridge inspections above water and underwater and assisted in bridge repair projects. He is also experienced in post-event structure inspections. He has extensive experience in underwater 2D and 3D sonar imaging on a variety of marine and bridge structures. Many of the structures he has imaged have been published in a variety of papers and a Federal Highway Administration (FHWA) study. He is proficient in several bridge management software programs, hydrographic surveys, and acoustic imaging surveys.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
01/23 – 12/23	**Statewide Underwater Bridge Inspection Services, Kentucky Transportation Cabinet (KYTC)** John oversaw the successful execution of 53 underwater bridge inspections, including 11 National Bridge Inspection (NBI) bridge inspections and seven multibeam hydrographic surveys. He developed the scope of work, managed the overall project including scheduling, resource allocation, and budgeting, ensured safety management practices adhered to OSHA regulations and ADCI guidelines, implemented quality control measures, reviewed and approved all inspection reports, conducted regular quality assurance checks, maintained open communication with the client and stakeholders, and served as the primary contact for the client.
01/23 – 12/23	**Statewide Underwater Bridge Inspection, Tennessee Department of Transportation (TDOT)** John ensured the accuracy and consistency of project deliverables on Level I, II, and III underwater investigations and channel soundings on 36 bridges. He developed the scope of work, managed the overall project including scheduling, resource allocation, and budgeting, ensured safety management practices adhered to OSHA regulations and ADCI guidelines, implemented quality control measures, reviewed and approved all inspection reports, conducted regular quality assurance checks, maintained open communication with the client and stakeholders, and served as the primary contact for the client, all while adhering to established TDOT policies, procedures, standards, and guidelines in the preparation and review of all deliverables.
03/24 – 05/24	**Structures Inspection Program and Miscellaneous Engineering Services, Maryland Transportation Authority (MDTA)** John successfully managed major projects by developing and implementing project plans, schedules, and budgets to ensure timely and cost-effective delivery. He coordinated and directed multi-disciplinary teams to ensure all inspection and engineering services met MDTA's stringent standards and guidelines, ensuring compliance with National Environmental Policy Act (NEPA) and Maryland Environmental Policy Act (MEPA) regulations.

Firm employed by: Marine Solutions	
Experience dates (mm/yy–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 years of experience specified in the applicable MPR(s).].
02/23 – 10/23	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Southeast Region, US** John ensured the accuracy and consistency of project deliverables by developing the scope of work, managing the overall project including scheduling, resource allocation, and budgeting, ensuring safety management practices adhered to OSHA regulations and ADCI guidelines, implemented quality control measures, reviewed and approved all inspection reports, conducted regular quality assurance checks, maintained open communication with the client and stakeholders, and served as the primary contact for the client, all while adhering to established policies, procedures, standards, and guidelines in the preparation and review of all deliverables.
02/23 – 10/23	**Routine Underwater Bridge Inspections, Norfolk Southern Railway Company, Midwest, and Gulf Divisions** John ensured the accuracy and consistency of project deliverables by developing the scope of work, managing the overall project including scheduling, resource allocation, and budgeting, ensuring safety management practices adhered to OSHA regulations and ADCI guidelines, implemented quality control measures, reviewed and approved all inspection reports, conducted regular quality assurance checks, maintained open communication with the client and stakeholders, and served as the primary contact for the client, all while adhering to established policies, procedures, standards, and guidelines in the preparation and review of all deliverables.

Firm employed by: Marine Solutions			
Ross Whiting, PE | *Underwater Inspections Team Leader (Kentucky PE)*		Years of relevant experience with this employer	7
		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	B.S. Civil Engineering, Georgia Institute of Technology, 2011 Commercial Diver, Minnesota Commercial Diver Training Center, 2016	Year registered	2017
Active registration number / state / expiration date	PE # 32859, Kentucky, 06/30/2026	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Whiting is a registered professional engineer, NBIS-certified inspection team leader, and ADCI-certified dive supervisor with a structural engineering background. His expertise is in the inspection, assessment, evaluation, and design of buildings, bridges, and marine structures. His experience includes engineering and project management for design-build projects, bridge inspections, analysis of pier foundations, designs of floating dock systems, and inspections of waterfront facilities.

Experience dates (mm/yy–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 years of experience specified in the applicable MPR(s).
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection Services, Kentucky Transportation Cabinet (KYTC)** Ross led the project team in performing 53 underwater bridge inspections, including 11 National Bridge Inspection (NBI) bridge inspections and seven multibeam hydrographic surveys. He ensured that all inspections were performed in accordance with NBIS, FHWA, and KYTC regulations. Ross managed the project team, including divers, engineers, and support staff, ensuring all work was performed safely and efficiently. He reviewed and approved all inspection reports, identified, and mitigated potential risks or issues, and maintained open communication with the client and stakeholders.
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection, Tennessee Department of Transportation (TDOT)** Ross led the project team in performing Level I, II, and III underwater investigations and channel soundings on 36 bridges. He ensured that all inspections were performed in accordance with NBIS, FHWA, and TDOT regulations. Ross managed the project team, including divers, engineers, and support staff, ensuring all work was performed safely and efficiently. He reviewed and approved all inspection reports, identified, and mitigated potential risks or issues, and maintained open communication with the client and stakeholders.
03/24 – 05/24	**Structures Inspection Program and Miscellaneous Engineering Services, Maryland Transportation Authority (MDTA)** Ross led a multidisciplinary team of engineers, inspectors, divers, and technicians, ensuring that all services met MDTA's standards and guidelines. He managed the inspection and engineering services for the Francis Scott Key Bridge Collapse Emergency Response in Baltimore, MD. Ross ensured that all inspections were performed in accordance with NBIS, FHWA, and MDTA regulations.

Firm employed by: Marine Solutions	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
02/23 – 10/23	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Southeast Region, US** Ross led a project team in performing routine inspections of highway and pedestrian bridges, including underwater inspections. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. Ross managed his team, including divers, engineers, and support staff, ensuring all work was performed safely and efficiently. He also reviewed inspection reports, identified, and mitigated potential risks or issues, and maintained open communication with the client and stakeholders.
04/23 – 12/23	**Underwater Bridge Inspections, Norfolk Southern Railway Company, Midwest, and Gulf Divisions** Ross led the project team in performing routine underwater inspections of 19 bridges located throughout Louisiana, Alabama, Kentucky, Illinois, and Missouri, as well as on-call services at four bridges in North Carolina, Virginia, and Kentucky. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. Ross managed the project team, including divers, engineers, and support staff, ensuring all work was performed safely and efficiently. He reviewed and approved all inspection reports, identified, and mitigated potential risks or issues, and maintained open communication with the client and stakeholders.

Firm employed by: Marine Solutions			
Kyle Morrow, PE | *Underwater Inspections Team Leader (Maryland PE)*		Years of relevant experience with this employer	5
		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	B.S. Civil Engineering, University of Pittsburgh, 2015 Dive Certificate, Minnesota Comm Diver Training Ctr, 2018	Year registered	2022
Active registration number / state / expiration date	PE # 59227, Maryland, 04/14/2026	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Morrow is a licensed professional engineer, certified Bridge Safety Inspector, NBIS-qualified Team Leader, SPRAT Level II Technician, and ADCI-certified diver with a focus on the inspection, assessment, and rehabilitation of bridge structures. He has performed inspections and assessments of structures and has prepared repair and rehabilitation designs.

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
02/22 – 11/23	**Bridge Inspection and Assessment, NOVA District LOA 4, VDOT Northern Virginia District** Supervisor responsible for assisting with planning and execution of the project, on-site safety, staff supervision, and coordination with the client. The project consisted of performing underwater bridge inspections and preparing inspection reports.
02/22 – 11/22	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, NSA Bahrain & NAVSTA Guantanamo Bay Cuba.** Supervisor/SPRAT Rope Access Technician responsible for planning and execution of the project, on-site safety, staff supervision, coordination with the client and performing rope access inspections. The project consisted of performing biennial inspections of one complex bridge in NSA Bahrain (407 ft. long) and two fracture critical bridges in NAVSTA Guantanamo Bay, Cuba (196 ft. and 196 ft. long). All three inspections included the use of industrial rope access techniques, boats, flaggers for lane closures, and the bridges in Cuba included underwater inspections. Each inspection required a detailed report.
02/21 – 10/21	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Southeast Region, US** Engineer diver responsible for performing underwater inspections, on-site safety, assisting with field operations, recording field notes, and report preparation. The project consisted of performing the biennial inspection of four bridges at NAS Pensacola, FL; two bridges in NAS Key West, FL; four bridges in NAS Whiting Field, FL; five bridges in SUBASE Kings Bay, GA; six bridges in NAS JRB New Orleans, LA; five bridges in NAS Meridian, MS; and one bridge in NCBC Gulfport, MS. Two of the inspections included an underwater inspection and nine bridges required calculation of load ratings.
02/21 – 11/21	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Japan & Guam** Supervisor responsible for assisting with planning and execution of the project, on-site safety, staff supervision, and coordination with the client. The project consisted of performing the biennial inspections of 21 bridges, including 10 bridges in NAVBASE Guam and 11 bridges in CONFLEACT Yokosuna, Japan and Sasebo, Japan.
02/20 – 10/20	**SPRAT Services, U.S. 340 Bridge Fracture Critical Inspection, MDOT SHA, Sandy Hook, MD** Inspector responsible for performing fracture critical bridge inspections and assisting with on-site assessments per National Bridge Inspection Standards (NBIS). The project consisted of providing SPRAT-trained personnel to assist the client with a fracture critical bridge inspection.

Firm employed by: Marine Solutions			
Austin Barber, PE | *Underwater Inspections (Florida PE)*		Years of relevant experience with this employer	3
		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	B.S. Civil Engineering, Georgia Institute of Technology, 2013 Diving Certificate, Commercial Diving Academy Technical Institute, 2016	Year registered	2021
Active registration number / state / expiration date	PE # 91549 / Florida / 02/28/2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Morrow is a licensed professional engineer, certified Bridge Safety Inspector, NBIS-qualified Team Leader, SPRAT Level II Technician, and ADCI-certified diver with a focus on the inspection, assessment, and rehabilitation of bridge structures. He has performed inspections and assessments of structures and has prepared repair and rehabilitation designs.
Surface-Supplied Air Diver, ADCI # 66327 / 07/13/2028

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
01/23 -12/23	**2023 Statewide Underwater Bridge Inspection Services, Kentucky Transportation Cabinet (KYTC)** Austin performed underwater bridge inspections, including 11 National Bridge Inspection (NBI) bridge inspections and seven multibeam hydrographic surveys. He ensured that all inspections were performed in accordance with NBIS, FHWA, and KYTC regulations. Austin managed the inspection team, ensuring all work was performed safely and efficiently.
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection, Tennessee Department of Transportation (TDOT)** Austin performed Level I, II, and III underwater investigations and channel soundings on 36 bridges. He ensured that all inspections were performed in accordance with NBIS, FHWA, and TDOT regulations. Austin managed the inspection team, ensuring all work was performed safely and efficiently.
03/24 – 05/24	**Structures Inspection Program and Miscellaneous Engineering Services, Maryland Transportation Authority (MDTA)** Austin performed underwater inspections for the Francis Scott Key Bridge Collapse Emergency Response in Baltimore, MD. He ensured that all inspections were performed in accordance with NBIS, FHWA, and MDTA regulations. Austin managed the inspection team, ensuring all work was performed safely and efficiently.
02/23 – 10/23	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Southeast Region, US** Austin performed routine underwater inspections of 31 highway and pedestrian bridges. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. Austin managed the inspection team, ensuring all work was performed safely and efficiently.
04/23 – 12/23	**2023 Routine Underwater Bridge Inspections, Norfolk Southern Railway Company, Midwest and Gulf Divisions** Austin performed routine underwater inspections of 19 bridges located throughout Louisiana, Alabama, Kentucky, Illinois, and Missouri, as well as on-call services at four bridges in North Carolina, Virginia, and Kentucky. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. Austin managed the inspection team, ensuring all work was performed safely and efficiently.

Firm employed by: Marine Solutions			
Joseph Guthrie | *Underwater Inspections*		Years of relevant experience with this employer	13
		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	B.S. Civil Engineering, University of Kentucky, 2022 Commercial Diver, Minnesota Commercial Diver Training Center, 2009	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Joseph Guthrie is an ADCI certified diver and Surface-Supplied Air Diving Supervisor with over 13 years of experience in underwater bridge inspections, hydrographic surveys, and underwater acoustic imaging. As an engineer-diver, Joseph performs underwater bridge inspections, including Level I, II, and III investigations, and channel soundings/surveys. He has ensured that inspections are performed in accordance with National Bridge Inspection Standards (NBIS), Federal Highway Administration (FHWA), and client regulations.
Surface-Supplied Air Diving Supervisor, ADCI # 57096 / 01/19/2028

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
01/23 -12/23	**2023 Statewide Underwater Bridge Inspection Services, Kentucky Transportation Cabinet (KYTC), Districts 5-8** Joseph performed underwater bridge inspections, including 11 National Bridge Inspection (NBI) bridge inspections and seven multibeam hydrographic surveys. He ensured that all inspections were performed in accordance with NBIS, FHWA, and KYTC regulations. The project aimed to assess the condition of bridge substructures and surrounding channels to ensure the safety and integrity of these critical infrastructure components. The scope included Level I, II, and III underwater inspections and channel soundings, as well as underwater imaging for bridges and culverts using advanced sonar equipment.
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection, Tennessee Department of Transportation (TDOT)** Joseph performed Level I, II, and III underwater investigations and channel soundings on 36 bridges. He ensured that all inspections were performed in accordance with NBIS, FHWA, and TDOT regulations. The project included collecting acoustic images on bridge piers in over 30 feet of water using Mesotech 2D scanning sonar equipment.
03/24 – 05/24	**Structures Inspection Program and Miscellaneous Engineering Services, Maryland Transportation Authority (MDTA)** Joseph performed underwater inspections for the Francis Scott Key Bridge Collapse Emergency Response in Baltimore, MD. He ensured that all inspections were performed in accordance with NBIS, FHWA, and MDTA regulations. The project included hydrographic surveys and underwater imaging to assess the condition of bridge substructures. Joseph managed the inspection team, ensuring all work was performed safely and efficiently.
02/23 – 10/23	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Southeast Region, US** Joseph performed routine underwater inspections of 31 highway and pedestrian bridges. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. The project included hydrographic surveys and underwater imaging to assess the condition of bridge substructures. Joseph managed the inspection team, ensuring all work was performed safely and efficiently.
04/23 – 12/23	**2023 Routine Underwater Bridge Inspections, Norfolk Southern Railway Company, Midwest, and Gulf Divisions** Joseph performed routine underwater inspections of 19 bridges located throughout Louisiana, Alabama, Kentucky, Illinois, and Missouri, as well as on-call services at four bridges in North Carolina, Virginia, and Kentucky. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. The project included Level I, II, and III underwater inspections, channel soundings, and underwater imaging using advanced sonar equipment.

Firm employed by: Marine Solutions			
Ian Conrath | *Underwater Inspections*		Years of relevant experience with this employer	10
		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	Commercial Diver, Divers Institute of Technology, 2006	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Ian Conrath is a senior dive supervisor with over 15 years of experience in underwater bridge inspections, hydrographic surveys, and underwater acoustic imaging. Ian is responsible for performing diving inspections, hydrographic surveys, and underwater acoustic imaging. Ian's experience in challenging underwater environments, including those in Louisiana, ensures that inspections, surveys, and images will be performed effectively and safely.
ADCI # 55156 Surface-Supplied Air Diver 12/06/2026

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection Services, Kentucky Transportation Cabinet (KYTC)** Ian supervised the diving operations for 53 underwater bridge inspections, including 11 National Bridge Inspection (NBI) bridge inspections and seven multibeam hydrographic surveys. He ensured that all diving operations adhered to OSHA and ADCI guidelines, managed dive teams, coordinated with project managers and team leaders, and ensured that all underwater inspections were performed safely and efficiently.
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection, Tennessee Department of Transportation (TDOT)** Ian supervised the diving operations for Level I, II, and III underwater investigations and channel soundings on 36 bridges. He ensured that all diving operations adhered to OSHA and ADCI guidelines, managed dive teams, coordinated with project managers and team leaders, and ensured that all underwater inspections were performed safely and efficiently.
03/24 – 05/24	**Structures Inspection Program and Miscellaneous Engineering Services, Maryland Transportation Authority (MDTA)** Ian supervised the diving operations for the inspection and engineering services for the Francis Scott Key Bridge Collapse Emergency Response in Baltimore, MD. He ensured that all diving operations adhered to OSHA and ADCI guidelines, managed dive teams, coordinated with project managers and team leaders, and ensured that all underwater inspections were performed safely and efficiently.
02/23 – 10/23	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Southeast Region, US** Ian supervised the diving operations for the routine inspection of 31 highway and pedestrian bridges, including underwater inspections. He ensured that all diving operations adhered to OSHA and ADCI guidelines, managed dive teams, coordinated with project managers and team leaders, and ensured that all underwater inspections were performed safely and efficiently.
04/23 – 12/23	**2023 Routine Underwater Bridge Inspections, Norfolk Southern Railway Company, Midwest, and Gulf Divisions** Ian supervised the diving operations for the routine underwater inspection of 19 bridges located throughout Louisiana, Alabama, Kentucky, Illinois, and Missouri, as well as on-call services at four bridges in North Carolina, Virginia, and Kentucky. He ensured that all diving operations adhered to OSHA and ADCI guidelines, managed dive teams, coordinated with project managers and team leaders, and ensured that all underwater inspections were performed safely and efficiently.

Firm employed by: Marine Solutions			
Tyler Estes | *Underwater Inspections*		Years of relevant experience with this employer	5
		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization	Commercial Diver, Commercial Diving Academy 2012	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Tyler Estes is an ADCI certified diver and Surface-Supplied Air Diving Supervisor with over 11 years of experience in underwater bridge inspections, hydrographic surveys, and underwater acoustic imaging. As the ADCI Certified Diver, Tyler performs underwater bridge inspections, including Level I, II, and III underwater investigations and channel soundings. He ensures that all inspections are performed in accordance with National Bridge Inspection Standards (NBIS), Federal Highway Administration (FHWA), and client regulations. Tyler's diving skills and technical expertise ensure that all inspections are performed safely and efficiently.
Surface-Supplied Air Diving Supervisor, ADCI # 67215 / 02/19/2029

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection Services, Kentucky Transportation Cabinet (KYTC)** Tyler performed underwater bridge inspections, including 11 National Bridge Inspection (NBI) bridge inspections and seven multibeam hydrographic surveys. He ensured that all inspections were performed in accordance with NBIS, FHWA, and KYTC regulations. The project aimed to assess the condition of bridge substructures and surrounding channels to ensure the safety and integrity of these critical infrastructure components. The scope included Level I, II, and III underwater inspections and channel soundings, as well as underwater imaging for bridges and culverts using advanced sonar equipment.
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection, Tennessee Department of Transportation (TDOT)** Tyler performed Level I, II, and III underwater investigations and channel soundings on 36 bridges. He ensured that all inspections were performed in accordance with NBIS, FHWA, and TDOT regulations. The project included collecting acoustic images on bridge piers in over 30 feet of water using Mesotech 2D scanning sonar equipment. Tyler managed the inspection team, ensuring all work was performed safely and efficiently.
03/24 – 05/24	**Structures Inspection Program and Miscellaneous Engineering Services, Maryland Transportation Authority (MDTA)** Tyler performed underwater inspections for the Francis Scott Key Bridge Collapse Emergency Response in Baltimore, MD. He ensured that all inspections were performed in accordance with NBIS, FHWA, and MDTA regulations. The project included hydrographic surveys and underwater imaging to assess the condition of bridge substructures. Tyler managed the inspection team, ensuring all work was performed safely and efficiently.
02/23 – 10/23	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Southeast Region, US** Tyler performed routine underwater inspections of 31 highway and pedestrian bridges. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. The project included hydrographic surveys and underwater imaging to assess the condition of bridge substructures. Tyler managed the inspection team, ensuring all work was performed safely and efficiently.
04/23 – 12/23	**2023 Routine Underwater Bridge Inspections, Norfolk Southern Railway Company, Midwest, and Gulf Divisions** Tyler performed routine underwater inspections of 19 bridges located throughout Louisiana, Alabama, Kentucky, Illinois, and Missouri, as well as on-call services at four bridges in North Carolina, Virginia, and Kentucky. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. The project included Level I, II, and III underwater inspections, channel soundings, and underwater imaging using advanced sonar equipment. Tyler managed the inspection team, ensuring all work was performed safely and efficiently.

Firm employed by: Marine Solutions			
Morgan Gebert | *Underwater Inspections*		Years of relevant experience with this employer	3
		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	B.S. Civil Engineering, University of Kentucky, 2017 Commercial Diver, Minnesota Commercial Diver Training Center, 2020	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Morgan Gebert is a civil engineer and ADCI-certified diver with a focus on the inspection, assessment, and rehabilitation of marine structures including piers, wharves, bulkheads, bridges, culverts, locks and dams, and mooring cells. Mr. Gebert has performed structural inspections of bridges and waterfront structures and has assisted in the design and planning of bridge and waterfront facility rehabilitations.
Surface-Supplied Air Diver, ADCI # 64984 / 08/27/2027

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection Services, Kentucky Transportation Cabinet (KYTC)** Morgan performed underwater bridge inspections, including 11 National Bridge Inspection (NBI) bridge inspections and seven multibeam hydrographic surveys. He ensured that all inspections were performed in accordance with NBIS, FHWA, and KYTC regulations. Morgan managed the inspection team, ensuring all work was performed safely and efficiently.
01/23 – 12/23	**2023 Statewide Underwater Bridge Inspection, Tennessee Department of Transportation (TDOT)** Morgan performed Level I, II, and III underwater investigations and channel soundings on 36 bridges. He ensured that all inspections were performed in accordance with NBIS, FHWA, and TDOT regulations. Morgan managed the inspection team, ensuring all work was performed safely and efficiently.
03/24 – 05/24	**Structures Inspection Program and Miscellaneous Engineering Services, Maryland Transportation Authority (MDTA)** Morgan performed underwater inspections for the Francis Scott Key Bridge Collapse Emergency Response in Baltimore, MD. He ensured that all inspections were performed in accordance with NBIS, FHWA, and MDTA regulations. Morgan managed the inspection team, ensuring all work was performed safely and efficiently.
02/23 – 10/23	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Southeast Region, US** Morgan performed routine underwater inspections of 31 highway and pedestrian bridges in accordance with NBIS, FHWA, and client regulations. Morgan performed all work safely and efficiently.
04/23 – 12/23	**2023 Routine Underwater Bridge Inspections, Norfolk Southern Railway Company, Midwest, and Gulf Divisions** Morgan performed routine underwater inspections of 19 bridges located throughout Louisiana, Alabama, Kentucky, Illinois, and Missouri, as well as on-call services at four bridges in North Carolina, Virginia, and Kentucky. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. Morgan managed the inspection team, ensuring all work was performed safely and efficiently.

Firm employed by: Marine Solutions			
Brian Hughes | *Rope Access (SPRAT)*		Years of relevant experience with this employer	2
		Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Brian Hughes is a certified rope access supervisor and bridge inspector with over 25 years of technical climbing and rigging experience. As a rope access supervisor and structural inspector, Brian is responsible for safely planning, rigging, climbing, and inspecting bridges, buildings, and waterfront structures. He assists the inspection team leaders with access techniques and hands-on inspections to ensure the work is performed safely and meets the requirements of the National Bridge Inspection Standards (NBIS) and client regulations. Brian's climbing skills, technical expertise, and structural inspection knowledge ensure that inspections are performed safely, efficiently, and correctly.
SPRAT Level 3 Rope Access Supervisor, SPRAT #100602

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
03/24 – 10/24	**Arthur Kill Lift Bridge Inspection, New York City Economic Development Corporation, New York, NY** Rope access supervisor responsible for safely planning, rigging, climbing, and assisting with the hands-on inspection of the non-redundant steel tension member (fracture critical) bridge spans. The project consisted of performing a fracture critical inspection of the lift span superstructure utilizing rope access techniques. The inspection was performed safely, on schedule, and within budget.
01/21 – 11/21	**Ford Island Bridge Inspection, Naval Facilities Engineering Command, Joint Base Pearl Harbor-Hickam, Honolulu, HI** Rope access supervisor responsible for safely planning, rigging, climbing, and assisting with the hands-on inspection of the non-redundant steel tension member (fracture critical) bridge spans. All operations were conducted in strict conformance with the Department of the Army Corps of Engineers, EM-385-1-1, Safety and Health Requirements Manual. All inspections were performed safely, on schedule, and within budget.
02/20 – 10/20	**SPRAT Services, U.S. 340 Bridge Fracture Critical Inspection, MDOT SHA, Sandy Hook, MD** Rope access supervisor responsible for safely planning, rigging, climbing, and assisting with the fracture critical bridge inspection of the U.S. 340 bridge in Sandy Hook, Maryland. The SPRAT-trained inspection team used rope access techniques to perform the inspection including ascending, descending, and horizontal aid climbing. The inspection was conducted in accordance with Maryland Dept. of Transportation State Highway Administration (MDOT SHA), National Bridge Inspection Standards (NBIS), and American Association of State Highway and Transportation Officials (AASHTO) requirements.

Firm employed by: Marine Solutions			
Anderson Potter, PE | *Rope Access [SPRAT]* *(Utah PE)*		Years of relevant experience with this employer	2
		Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization	M.S., Structural Engineering, 2017 B.S., Civil Engineering, 2012	Year registered	2018
Active registration number / state / expiration date	PE # 10854291, Utah, 03/31/2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Potter is a professional engineer, NBIS qualified inspection team leader, AWS Certified Welding Inspector (CWI), and SPRAT Level 1 technician with over 11 years of experience in the inspection, assessment, load rating, and design of bridge structures. He has served as a program manager, project manager, and lead inspector for numerous bridge inspection contracts which have included routine, underwater, NSTM, SPRAT, and complex bridge inspections as well as bridge load ratings. He is experienced in complex logistics required to perform bridge inspections in remote locations as well as emergency and post-event structural investigations (including post seismic event investigations). Mr. Potter's inspection, analysis, and design experience is supplemented by advanced knowledge of drone inspection technology, techniques, and post-processing software applications, bridge management software applications, and NDE technologies including timber resistance drilling, ultrasonic testing, and magnetic particle testing.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
02/23 – 10/23	**Bridge Inspection and Assessment, Naval Facilities Engineering Command, Southeast Region, US** Andy managed the project teams and performed routine inspections of 31 highway and pedestrian bridges, including underwater inspections. He ensured that all inspections were performed in accordance with NBIS, FHWA, and client regulations. Andy scheduled and oversaw the project teams, including divers, engineers, and support staff, ensuring all work was performed safely and efficiently. He reviewed and approved all inspection reports, identified, and mitigated potential risks or issues, and maintained open communication with the client and stakeholders.
06/22 – 05/24	**Bridge Inspection & Assessment, Maryland State Highway Administration (MDOT SHA), Statewide, MD** Lead bridge inspector responsible for bridge inspection and development of project submittals. The project consisted of the inspection of MDOT SHA bridge structures, including climbing and underwater inspections. The services also included development of inspection reports and input of data into MDOT SHA's database.
07/22 – 10/23	**Bridge Inspection & Assessment, U.S. Army Corps of Engineers (USACE), Fort Campbell, KY** Project manager and lead engineer responsible for assisting with planning and execution of the project, on-site safety, staff supervision, and coordination with the client. The project consisted of performing the routine above water inspection of 16 bridges and the routine underwater inspection of 4 bridges.
03/21 – 09/21	**Fracture Critical Bridge Inspections, US Forest Service, Multiple Locations, CA** Project Manager and team leader responsible for project management and coordination, inspection, and stamping of final reports. Project included 6 fracture critical bridge inspections for the USDA Forest Service Region 5 (Pacific Southwest Region). SPRAT rope access climbing techniques were utilized to perform an arm's-length inspection of the bridges. Rope access climbing was utilized instead of using an UBIT due to UBIT's being unable to navigate the windy and steep access roads. A team of two rope access climbers performed the inspections. The project team provided the client with an inspection schedule, a job hazard analysis, fracture critical inspection, field inspection, and reporting. The 6 bridges were located in the Lassen, Tahoe, Eldorado, and Klamath National Forests.

Firm employed by: Marine Solutions	
Experience dates (mm/yy–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 years of experience specified in the applicable MPR(s).].
07/19 – 03/21	**Post Earthquake Emergency Response Plan, Nevada DOT, Statewide, NV** Project manager responsible for working with the Nevada DOT to create the bridge post-earthquake emergency response plan to be incorporated into the state-wide Emergency Bridge Inspection Manual. The scope of work included the implementation of the USGS program ShakeCast for the Nevada bridge inventory to be used as a tool to help prioritize emergency bridge inspection following an earthquake event. Responsibilities included project management, report writing, and overall quality assurance
07/18 – 12/21	**Bridge Inspection & Assessment, Utah DOT, Statewide, UT** Project manager and team leader responsible for leading inspections, reporting, QA/QC of bridge reports, signing and sealing reports as the Engineer-of-Record, drone pilot, and meeting with UDOT to review bridge findings. Project included a 5-year contract which included the routine inspections of approximately 30 bridges a month for 60 months. Over the 60 months the routine inspections also consisted of approximately 70+ fracture critical bridges, 85+ scour critical bridges, 15+ rope access bridges, and 75+ special inspections. The special inspections include but were not limited to deck soundings and drafting, the use of drones with inspections in areas of high traffic or limited access and emergency inspections. During the fourth year (2019) we assisted in post-earthquake inspections of 650+ bridges.

Firm employed by: Marine Solutions			
Brad Koch, PE | *Underwater Inspection Team Leader (Colorado PE)*		Years of relevant experience with this employer	1
		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization	BS, Civil Engineering, 2019 Commercial Diver, Minnesota Commercial Diver Training Center, 2015	Year registered	2023
Active registration number / state / expiration date	PE # 0063579, Colorado, 10/31/2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Koch, a Civil Engineer/Engineer-Diver, possesses expertise in examining bridge structures, waterfront facilities, ancillary constructions, and retaining/sound wall structures, both above and underwater. His inspection proficiency is enhanced by his roles as an ACDI Surface-Supplied Air Diving Supervisor and an NDT Certified Level II Ultrasonic and Magnetic Particle Tester. He has an extensive background in conducting underwater assessments and engaging in commercial diving activities.

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
03/24 – 10/24	**Arthur Kill Lift Bridge Inspection, New York City Economic Development Corporation, New York, NY** Engineer, diving inspector, and rope access inspector responsible for safely performing the routine, underwater, and climbing bridge inspections. The project consisted of performing a routine inspection of the entire bridge, an underwater inspection of the below water bridge components, and a fracture critical inspection of the lift span superstructure utilizing rope access techniques. The inspection was performed safely, on schedule, and within budget.
06/24 – 08/24	**Routine Inspection, Hudson River Park Trust, Pier 25, New York, NY** Engineer diver responsible for performing underwater inspections, assisting with field operations, recording field notes, and report preparation. The project consisted of performing an underwater and above water inspection and report development at Pier 25.
07/20 – 06/24	**Colorado DOT, Ancillary and Minor Structure Inspections, Statewide, CO** Team Leader/Project Engineer responsible for leading inspection teams and report review. Project included the routine and reduced frequency inspections and BrM input of over 2,100 sign, signal, and minor structures on state roadways and highways located within CDOT's right of way from October 2020 to present. Element level inspection was performed on all structures, and essential repair findings and maintenance recommendations were provided. Non-destructive testing, including ultrasonic testing and magnetic particle testing, was used to supplement visual inspections when needed.
06/21 – 12/23	**Colorado DOT, Off-System Bridge Inspections, Central Area, CO** Team Leader/Project Engineer responsible for leading bridge inspection teams. Project included the routine bridge inspection and BrM input for off-system bridges in CDOT Central Area, 330 inspected from 2021 to 2022 and 321 will be inspected from 2022 to 2023. Bridge materials included timber, reinforced and prestressed concrete, and Steel. Certified team leaders lead each team and SPRAT rope access techniques were utilized on fracture critical bridges when needed. Reports included maintenance recommendations for each bridge, and when found, Essential Repair Findings were submitted to the client and owner with detailed findings and repair recommendations documented. Final submittals with inspection findings and a discussion of major issues were completed with each bridge owner throughout the contract, consisting of approximately 15 different owners.

Firm employed by: Marine Solutions	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
05/17 – 12/21	**Wyoming DOT, Bridge Inspections, Statewide, WY** Assistant Project Manager responsible for client communications, organizing inspection trips, report writing, QA/QC, and managing daily operations. Project included the routine, fracture critical and pin & hanger bridge inspections for approximately 2,300 On and Off system bridges throughout the state of Wyoming from 2017 to 2021. During 2021, 481 on-system routine inspections, 80 off-system routine inspections, 2 on-system fracture critical inspections, 8 off-system fracture critical inspections, and 4 pin & hanger inspections were performed. The inspections, recording, and coding of structural elements of the bridges were conducted per the requirements of the NBIS and WYDOT in accordance with the BIRM, AASHTO Manual for Bridge Element Inspection including WYDOT's Agency Defined Elements and the Federal Coding Guide. Assisted WYDOT in converting inspection processes to an element level inspection during the early years of the project and coordinated with WYDOT to perform the routine and fracture critical inspections of the structures at the same and underwater inspections, within an additional contract, to minimize mobilization costs and maximize efficiency, whenever possible. The project included data entry into the state's bridge management software, channel soundings, detailed defect sketches (with an emphasis placed on the bridge decks), and the use of aerial photography to assess WYDOT's bridge inventory.
02/21 – 11/21	**New Mexico DOT, Inspection, Statewide, NM** Engineer-Dive Supervisor responsible for drafting, report writing, and report review. Project included 11 Level II underwater bridge inspections for eight (8) On-System bridges and three (3) Off-System bridges within District 5, in the Northern New Mexico area in February of 2021. The inspection team consisted of Association of Diving Contractors International (ADCI) 3-person team using commercial scuba diving operations, led by an NM Licensed Professional Engineer-Diver. The final deliverables included contour maps of the channel extending 200 ft upstream to 200 ft downstream of the bridge facias, channel profiles taken at specific intervals from each bridge fascia as specified by the NMDOT hydraulics department, a detailed element level inspection, and repair recommendations as needed.

SECTION 16

STAFF EXPERIENCE

FICKETT STRUCTURAL SOLUTIONS

Ryan Sievers, PE *
Reed Case
Carter Bohn

VOLKERT

Firm employed by: Fickett Structural Solutions			
Ryan Sievers, PE | *Bridge Inspection Team Leader/Rope Access (SPRAT) (Florida PE)*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	B.S./2010/Construction Engineering M.S./2012/Civil Engineering – Structural	Year registered	2015
Active registration number / state / expiration date	96299/Florida/02.28.25	Discipline	Civil
Contract role(s) / brief description of responsibilities: Mr. Sievers will serve as team lead providing bridge inspection and rope access services.			

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
04/14 - Present	**Montana DOT Fracture Critical Bridge Inspection –** Fickett has continually retained this contract since winning it in 2014. Ryan has been involved with the MDT Fracture Critical Contract since it was awarded to Fickett in 2014 as a Team Member. In 2018, after obtaining his SPRAT Level III Certification, he became the Primary Team Leader and in 2020 he became the Project Manager. Ryan has acted as the main point of contact for MDT on all issues including of scoping, contracting, scheduling, inspections, reporting, and invoicing. To-date this contract has included over 140 bridges.
2017-2021 2024 - Present	**Texas DOT Fracture Critical Bridge Inspections** - As a subconsultant to HDR, Fickett was retained to provide Fracture Critical Bridge Inspections, as well as NDT Pin and Hanger Inspections for the Texas Department of Transportation (TxDOT). Fickett has been tasked with assisting HDR in the inspection and reporting of numerous Fracture Critical Bridges, including through trusses, two-girder, and steel bent cap bridges. Rope access was performed when necessary following SPRAT Safe Practices Guidelines. For the 2024 RFP of this contract Fickett was on two of the four teams awarded contracts but work has not commenced on this contract yet. Ryan has acted as the Project Manager and Primary Team Leader for this contract since 2018. His responsibilities include scheduling, inspections, reporting, and invoicing.
2016 - Present	**Montana DOT NBIS Bridge Inspections** – Fickett has continually retained this contract since winning it in 2016. This contract has included Routine, NSTM, Timber Partially Destructive Evaluation (PDE), and QA Inspections. Fickett has been involved with scoping and inspection document creation across multiple types of projects. In 2024 MDT tasked Fickett with restructuring all bridge inspection for the Glendive District and performing a majority of the inspections. Ryan has acted as the main point of contact for MDT on all issues including of scoping, contracting, scheduling, inspections, reporting, and invoicing. To-date this contract has included over 1,100 bridges.
2014 - Present	**American Family Field Inspections** – Fickett Structural Solutions was awarded the inspection contract for the Miller Park Roof Inspections by the Southeast Wisconsin Professional Baseball Park District (SWPBPD) for the 2014-2015; 2019-2020; and 2024-2025 inspection cycles. These contracts required Fickett to perform hands-on inspection of all structural elements on the retractable roof system at Miller Park including the two non-movable roof sections and the bogey track that the movable roof sections traveled along. Ryan has acted as the main point of contact for the client on all issues including of scoping, contracting, scheduling, inspections, reporting, and invoicing.

Firm employed by: Fickett Structural Solutions			
Reed Case, PE | *Rope Access (SPRAT)* *(Idaho PE)*		Years of relevant experience with this employer	1.5
		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	B.S./2013/Civil Engineering	Year registered	2021
Active registration number / state / expiration date	21369/Idaho/11.30.25	Discipline	Civil
Contract role(s) / brief description of responsibilities: XXXX			

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
03/23 - Present	**City of Tacoma Inspections of Special Bridges –** Contracted to perform Routine and Fracture Critical Bridge Inspections on multiple structures in the City of Tacoma. Inspections included performing NBI and Element Level Inspections while utilizing various access techniques, including UBIT's and rope access to perform hands-on inspections of all steel members. Various bridge types were inspected under this contract, including girders, deck trusses, through trusses, and movable through trusses. Material types included steel and concrete. Deliverables included Routine Element Level and NBI Ratings, and In-depth and NSTM Inspection Reports. Reed served as an assistant inspector and rope access supervisor for the inspection of the Fishing Wars Memorial Bridge corridor in Tacoma. His responsibilities included: mobilizing rope access equipment; developing the Job Hazard Analysis; performing Routine and NSTM inspection procedures and documentation; and providing on-site rescue for rope access.
03/23 - Present	**Oregon ODT Local Agency Bridge Inspections -** Contracted to perform Routine, Non-Redundant Steel Tension Member (NSTM) and Fatigue Prone Inspections of over 300 Local Agency owned bridges for ODOT. Inspections include performing NBI and Element Level Inspections while utilizing various access techniques, including UBIT's and rope access to perform hands-on inspections of all steel members. Various bridge types are inspected under this contract, including girders, boxes, slabs, deck trusses, through trusses, and movable through trusses. Inspections involved several different material types, including steel, concrete, and timber. Deliverables included Routine Element Level Data and NBI Ratings, In-depth, NSTM, Fatigue Prone, Timber Logs – including timber resistance borings, and Cross-channel Profile Reports. Reed has been involved with Routine, NSTM, Inventory, and Special inspections as a Team Leader for the Local Agency bridge contract for ODOT. His responsibilities included: performing Routine and Non-Redundant Steel Tension Member inspection procedures and documentation; maintenance and repair recommendations; manlift operations, bridge climbing, and confined-space entry procedures; cross channel profiles; review and updates to NBI and Element Level data in the ODOT data base – BrM; reviewing and submitting final reports for each structure.
01/20 – 12/22	**Oregon DOT State Major Bridge Inspections** (Previous consulting firm) Contracted to perform Routine, Non-Redundant Steel Tension Member and Fatigue Prone Inspections of State-owned major crossings including the Conde B. McCullough Memorial Bridge main spans (Coos Bay Bridge), Astoria-Megler Bridge main spans (101 over the Columbia); Fremont Bridge (I-405/US 30 over the Willamette River) west approach ramps (5 structures total). Deliverables included Routine Element Level Data and NBI Ratings, NSTM, and Fatigue Prone Reports. Reed, under his previous employer served as the primary Team Leader or as an assistant team leader for all bridges on this contract. His responsibilities included: performing Routine and Non-Redundant Steel Tension Member inspection procedures and documentation; maintenance and repair recommendations; manlift operations, and bridge climbing; review and updates to NBI and Element Level data in the ODOT data base – BrM; reviewing and submitting final reports for each structure.

Firm employed by: Fickett Structural Solutions			
Carter Bohn | *Non-Destructive Evaluation*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	28
Degree(s) / Years / Specialization	Nondestructive Testing Technology Program/1984/Hutchinson Area Vocational Technical Institute	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Bohn is a senior certified welding inspector (SCWI) with a technical degree in nondestructive testing (NDT) Level III certifications. He has a thorough understanding of welding processes for a variety of materials and has 43 years of experience in structural steel construction projects, including inspection of welding, fabrication, and erection on both bridges and buildings.
144509/ASNT Level III – Ultrasonic Testing/9.27
144509/ASNT Level III – Magnetic Particle Testing/9.27
10060078/Senior Certified Welding Inspector/06.01.25
86827/SSPC Bridge Coatings Inspector Level I/04.30.25

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
2015, 2019, 2020	**South Dakota DOT Pins and FC Inspections -** Under contract with the South Dakota Department of Transportation (SDDOT), Fickett performed nondestructive testing (NDT) of bridge pin and hanger assemblies as well as welded connections of fracture critical members and details. Carter was the Lead Inspector for the project. He coordinated with SDDOT as needed; led the inspection team in the field; performed NDT of the pins; and developed and reviewed the final reports. Carter served as the lead team member for this work. His responsibilities included: coordinating equipment and schedules, performing inspections and NDT in the field, and reviewing and submitting final reports for each structure.
2021-2022	**I-40 Hernando Desoto Bridge, Memphis, TN -** As a subcontractor, Fickett was contracted to perform NDE on A514 tension members on the South Truss in Span A. Consisting of eight (8) locations on the upper chord between U20 and U24, as well as ten (10) locations on diagonals between U14 and U19. Carter provided the Ultrasonic Testing and analysis of the testing results. He performed QA inspection testing on other tension members and provided consultation regarding the NDE inspections. A daily debriefing meeting was performed at the end of each day to review the findings of the NDE inspections with Contractor and DOT representatives. A final report that summarized the NDE findings and results was issued to the Client along with a final report conference call with design engineers to answer and clarify any questions about the results and procedures of the inspections performed.
2019 – Present	**Golden Gate Bridge Fracture Critical and Pin Inspections** - Fickett was sub-contracted to perform a fracture critical inspection, including ultrasonic testing (UT) of the fracture critical Anchor House Pins that support the bridges main cables. Carter was the Lead NDT Specialist of the project. He developed the testing procedure, performed testing and monitored testing performed by other technicians along with documenting results and writing the final report.
2024	**Kentucky DOT - Brent Spence Bridge Pin Inspections** – As a subcontractor, Fickett was contracted to perform Ultrasonic Testing on all truss pins on the Brent Spence Bridge. Carter served as the lead team member for this work. His responsibilities included: coordinating equipment and schedules, performing inspections and NDT in the field, and reviewing and submitting final reports for each structure.

SECTION 16

STAFF EXPERIENCE

KPFF

Chris Ligozio, PE (NY PE) *
Adrian Ciolko
Scott Wyatt, PE (IL PE) *

VOLKERT

Firm employed by: KPFF, Inc. dba KPFF Consulting Engineers			
Scott Wyatt | *Bridge Inspection Team Leader*		Years of relevant experience with this employer	13
		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization	BS/1993/Civil Engineer, MS/2006/Structural Engineering, MBA/2002	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Wyatt will serve as team lead providing bridge inspection services.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
06/06 – 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 • LaPlata 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

Firm employed by: KPFF, Inc. dba KPFF Consulting Engineers

Chris Ligozio | *Bridge Inspection*

		Years of relevant experience with this employer	13
		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization	BS, 1991, Civil Engineering / MS, 1993, Civil Engineering	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Ligozio will provide bridge inspection services.

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

Firm employed by: KPFF, Inc. dba KPFF Consulting Engineers			
Adrian Ciolko | *Bridge Inspection*		Years of relevant experience with this employer	13
		Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization	MS / Civil Engineering BS / Civil Engineering	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Ciolko will provide bridge inspection services.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
05/99 – Present	**Adrian's specific experience related to quality assurance and improvement of cable stayed bridge construction and maintenance includes:** • Independent Expert for Stay Cable QA/QC Requirement Review for Ohio River Bridges Project, Downtown Louisville Crossing – 2017 • In-Depth Inspection of US 82 Greenville Bridge Stay Cable Array, MS – 2016 • MnDOT Peer Review of St Croix River Crossing Stay Cable System Design and Corrosion Protection, Oak Park Heights, MN – 2014 • Stay Cable Supply and Installation CEI Program for Goethals Bridge Construction, NJ – Underway • Stay Cable Supply and Construction CEI Program for Kosciuszko Bridge, Phase 2, NY – Underway • Stay Cable Supply and Construction QA Expert for Kosciuszko Bridge, Phase 1, NY – 2017 • In-Depth Inspection of LaPlata River Bridge Stay Cable Array, PR – 2015 • In-Depth Inspection of 6th Street Viaduct Bridges, Milwaukee, WI – 2013 • In-Depth Inspection of Sitka Harbor and Skagway Bridges, AK – 2014 • Nondestructive Condition Inspection of 96, Deck Level Stay Cable Anchorages, William Natcher Bridge, Owensboro, KY – 2013 • Hale Boggs Bridge Stay Cable Replacement Component Quality Improvement Consulting, LA – 2011 • Maumee River Crossing Stay Cable Epoxy Coating Deficiency Dispute Resolution, Toledo, OH – 2010 • In-Depth Inspection of Hale Boggs I-310 Cable-Stayed Bridge Luling, LA, • Stay Cable Replacement Study, Hale Boggs I-310 Cable-Stayed Bridge, LA – 2009 • Inspection, Condition Assessment and Wind-Induced Vibration Study of US 90/98 Cochrane Bridge Stay Cable Array, Mobile, AL – 1999 • James River (Varina Enon) Bridge Cable Array Inspection and Nondestructive Force Measurements, VA – 1999, 2007, and 2017 • Independent Review of Stay Cable Component-Based Tension Tie Design Burns Bridge, Worcester, MA – 2013 • Prepared John James Audubon Cable Stayed Bridge Corrosion Protection Plan, St. Francisville, LA – 2007

SECTION 16

STAFF EXPERIENCE

KTA - TATOR, INC.

James Kretzler

Robert Lanterman

VOLKERT

Firm employed by: KTA-Tator, Inc.

Robert Lanterman | *Painting & Coating Inspection*

Years of relevant experience with this employer	22		
Years of relevant experience with other employer(s)	6		
Degree(s) / Years / Specialization	BE / 1999/ Chemical Engineering	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
NACE Certified Coatings Inspector (#13505; expiration 5/23/2025)
SSPC Certified Protective Coatings Specialist (#2015-820-136; expiration 12/31/2027)
Valid TWIC Card (expiration 10/26/2025)

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
3/24 – 4/24	**Louisiana Department of Transportation and Development, Baton Rouge, LA.** Mr. Lanterman performed document review and coating condition assessment services for the US 190 Krotz Springs Bridges (eastbound and westbound) in St. Landry Parish. He prepared a report detailing the findings of the assessment and providing recommendations for the maintenance of the coating system on this bridge. KTA was a subconsultant to another engineering firm.
3/22 – 3/22	**South East Philadelphia Transportation Authority (SEPTA), Philadelphia, PA.** Mr. Lanterman evaluated the existing coating condition (visual examination, coating thickness and adhesion measurements, substrate examination, and coating sample procurement) on the eastern end of the Market Street Frankford Elevated Viaduct and provided recommendations on appropriate maintenance strategies, opinions of probable construction cost, and modification of the existing SEPTA surface preparation and coating application specifications for use in bidding the work to prospective contractors. KTA was a subconsultant to another engineering firm.
9/21 – 12/21	**Louisiana Department of Transportation and Development, Baton Rouge, LA.** Mr. Lanterman performed a coating condition assessment and assisted with the development of surface preparation, coating application, and environmental/worker protection and containment specifications/drawing notes for the rehabilitation of the IWGO Bridge in Baton Rouge. KTA was a subconsultant to another engineering firm.
7/20 – 8/20	**Cuyahoga County (OH) Department of Public Works, Cleveland, OH.** Mr. Lanterman provided coating condition assessment supervision for coatings laboratory testing, development of a maintenance painting strategy and recommendations, and development of an opinion of probable costs for the maintenance painting of the Denison Harvard Bridge in Cleveland. KTA was a subconsultant to another engineering firm.
2/20 – 5/20	**Louisiana Department of Transportation and Development, Baton Rouge, LA.** Mr. Lanterman provided coating condition assessment services, supervision of coatings laboratory testing, and report preparation for the rehabilitation of the coating system on the Jackson Street (Red River) Lift Bridge in Alexandria, LA. KTA was a subconsultant to another engineering firm.

Firm employed by: KTA-Tator, Inc.	
Experience dates (mm/yy–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 years of experience specified in the applicable MPR(s).].
2/18 – 6/19	**Delaware River Port Authority, Camden, NJ.** Mr. Lanterman provided coating consulting and project engineering services for a coating condition assessment of the NJ approach spans to the Walt Whitman Bridge in Gloucester, NJ. He performed a coating condition assessment of the spans to develop future maintenance painting strategies. KTA was a subconsultant to another engineering firm.
3/17 – 5/17	**Louisiana Department of Transportation and Development, Baton Rouge, LA.** Mr. Lanterman performed a coating condition assessment, supervised coatings laboratory testing, and prepared a report with recommendations for the rehabilitation of the coating system on the US 90 Morgan City Bridge and Nearby Structures in Morgan City, LA. KTA was a subconsultant to another engineering firm.
2/17 – 3/17	**Louisiana Department of Transportation and Development, Baton Rouge, LA**. Mr. Lanterman performed a condition assessment of the weathering steel tower and girders on the I-310 Luling Bridge in Luling, LA. He prepared a report detailing the conditions found and providing recommendations for the remediation of the corrosion problems on this bridge. KTA was a subconsultant to another engineering firm.

Firm employed by: KTA-Tator, Inc.

James Kretzler | *Non-Destructive Evaluation*

Years of relevant experience with this employer	11
Years of relevant experience with other employer(s)	14

Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
ASNT Level III MT, PT, RT, UT (#186946; expiration 10/2025)
AWS Certified Welding Inspector (#07020431; expiration 02/01/2025)
NACE Coatings Inspector CIP Level 1 (#54804; expiration 09/30/2026)

Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).
07/15 – Present	**NDE Department Manager –** Mr. Kretzler is managing the NDE Department of the KTA Steel/Concrete/NDE Group. He has financial and operational responsibilities along with project management, business development, hiring, and training for non-destructive examination services. Mr. Kretzler is providing Level III services internally for KTA and externally for clients that include writing and reviewing NDE procedures and certifying NDE technicians. He is also providing NDE training services for Level II Magnetic Particle and Level II Dye Penetrant inspection as well as Ultrasonic Level I and II classes covering UT thickness, straight beam, and angle beam inspections.
10/21 – 10/21	**North Dakota Department of Transportation, Bismarck, ND.** Mr. Kretzler was the KTA project manager for Phased Array Ultrasonic Testing (PAUT) on various bridges throughout North Dakota. KTA was a subconsultant to another engineering firm.
03/16 – 05/16	**I-10 Calcasieu Bridge, Baton Rouge, LA.** Mr. Kretzler supervised the UT inspection of the bridge pins on this structure. He reviewed the inspection data and issued an opinion regarding the condition of the pins. KTA was a subconsultant to another engineering firm.
06/15 – 12/19	**New York State Department of Transportation, Albany, NY.** As the prime consultant, Mr. Kretzler was the KTA project manager for CWI/NDT and coating inspection services during the fabrication of bridge girders at various shop locations. KTA also provided material sampling services for flat bar and rebar and verifying welding tests in accordance with NYSDOT standards.
12/12 – Present	**Connecticut Department of Transportation, Newington, CT.** As the prime consultant on three consecutive multi-year statewide contracts, Mr. Kretzler was and is the KTA project manager for steel and concrete fabrication and coatings inspection services at various shop locations.
12/12 – 07/15	**Pennsylvania Department of Transportation, Harrisburg, PA.** Mr. Kretzler was a KTA Supervisor overseeing the inspection responsibilities of QA inspectors on bridge fabrication projects in various shops throughout Pennsylvania and Ohio. He reviewed NDE procedures and completed site audits on NDE technicians and oversaw all NDE activities on various projects.
06/08 – 12/12	As an employee of A&A Consultants, Mr. Kretzler provided NDE and CWI services to three inspection consultant companies, conducted inspections for Pennsylvania Department of Transportation bridge projects involving the fabrication of girders, cross frames, and tooth dams. He managed and trained a staff of nine inspectors.

Firm employed by: KTA-Tator, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
2/18 – 6/19	**Delaware River Port Authority, Camden, NJ.** Mr. Lanterman provided coating consulting and project engineering services for a coating condition assessment of the NJ approach spans to the Walt Whitman Bridge in Gloucester, NJ. He performed a coating condition assessment of the spans to develop future maintenance painting strategies. KTA was a subconsultant to another engineering firm.
3/17 – 5/17	**Louisiana Department of Transportation and Development, Baton Rouge, LA.** Mr. Lanterman performed a coating condition assessment, supervised coatings laboratory testing, and prepared a report with recommendations for the rehabilitation of the coating system on the US 90 Morgan City Bridge and Nearby Structures in Morgan City, LA. KTA was a subconsultant to another engineering firm.
2/17 – 3/17	**Louisiana Department of Transportation and Development, Baton Rouge, LA**. Mr. Lanterman performed a condition assessment of the weathering steel tower and girders on the I-310 Luling Bridge in Luling, LA. He prepared a report detailing the conditions found and providing recommendations for the remediation of the corrosion problems on this bridge. KTA was a subconsultant to another engineering firm.

SECTION 16

STAFF EXPERIENCE

ECM CONSULTANTS

David Waller
Benjamin Dow
Emilio Rodriguez

VOLKERT

Firm employed by: **ECM Consultants, Inc.**

David Waller | *Bridge Inspection*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Waller will provide bridge inspection services.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
06/18 - 09/20	**S.P. No. 009250, I-10: Highland to LA 73 Design-Build Project, LADOTD, East Baton Rouge/Ascension Parish, LA:** Mr. Waller served as Lead Inspector for this $72 million design-build project to widen I-10 from four to six lanes in both east and westbound directions, add deceleration and acceleration lanes at the Highland Road and LA 73 interchanges, roadway lighting replacement, and bridge modifications including replacing I-10 bridge over Highland Road, widening and rehabilitating I-10 bridge over Bayou Manchac, increasing the vertical clearance and rehabilitating LA 928 over I-10, and replacing I-10 over LA 73.
06/18 – 10/19	**S.P. H.012420.6 I-110 Interchange Modifications at Terrace, Baton Rouge, LADOTD:** Mr. Waller provided CE&I services for this $8.80 million I-110 Terrace Ave Interchange project that will provide connectivity from I-110 southbound to the existing I-10 eastbound at the Washington Street exit. The project consists of an exit ramp that was constructed on the left side of I-110 southbound allowing traffic to exit onto Terrace Ave. Nineteen (19) drill shafts was installed that included 6-24" shafts, 2-36" shafts, 2-48" shafts and 9-96" shafts ranging in length from 55' to 102'. Additionally, this project included a widening of the I-110 southbound roadway span, installation of new Hwy guide signage and camera equipment.
06/18 -07/19	**State Project No. H.010661.6-2 N. Flannery/Firewood/Cloverland Bridges, East Baton Rouge Parish, LA:** Mr. Waller is providing construction inspection services for replacing three bridges in East Baton Rouge Parish. He was responsible for monitoring, documenting and reporting construction activities for conformance with plans and specifications, keeping track of materials used, recording personnel and equipment on site, and filling out a daily report.
02/14-09/16	**S.P. No. H. 0106059: Rafe Meyer Bridges in Baker, LA for LADOTD:** Mr. Waller provided construction inspection for this project involving the demolition and construction of two off-system bridges for LADOTD in East Baton Rouge Parish. This project includes precast concrete pile driving, cast-in-place concrete bents, decks, approach slabs, and asphaltic concrete roadway transition. He provided inspection for asphalt paving as a LADOTD certified inspector and other inspection services.

Firm employed by: ECM Consultants, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
02/08-08/10	**S.P. No. 817-08-0023: Joor Road; Baton Rouge, LA:** Mr. Waller provided construction inspection services for this project that involved the widening of Joor Road from two lanes to five lanes. The project included asphalt concrete paving, Portland concrete cement paving, drainage, sewer, and utility relocations. He served as the primary construction inspector and safety person on site, prepared work reports, estimated quantities, and ensured smooth and efficient operations of technician and/or consultant personnel.
03/09-08/11	**S.P. No. 817-41-0008: O'Neal Lane, LADOTD; Baton Rouge, LA:** Mr. Waller provided construction inspection services for this project that involved the construction of three miles of new concrete cement roadway. The project included relocation of sewer and new tie-ins, drainage, and utilities. He served as the primary construction inspector and safety person on site, prepared work reports, estimated quantities, ensured smooth and efficient operations of technician and/or consultant personnel, etc.
02/10-04/11	**S.P. No. 737-99-1059: I-12 Ramp Meters; Baton Rouge, LA:** Mr. Waller provided construction inspection services for this project that involved the installation of ramp meters along I-12. He served as the primary construction inspector and safety person on site, preparing work reports and estimated quantities.
04/10-06/11	**S.P. No. 257-04-0025: West Lee and Burbank; Baton Rouge, LA:** Mr. Waller provided construction inspection services for this project that involved the construction of turn lanes at the intersection of West Lee and Burbank. The project included Portland concrete cement paving, drainage, sewer, and utility relocations. He served as the primary construction inspector and safety person on site, prepared work reports, estimated quantities, ensured smooth and efficient operations of technician and/or consultant personnel, etc.
08/11-12/09	**S.P. No. 255-30-0013: Wax Road; Baton Rouge, LA:** Mr. Waller provided construction inspection services for this project that involved the widening of Wax Road and the addition of turning lanes. The project included asphalt concrete paving, drainage, sewer, and utility relocations. He served as the primary inspector and safety person on site, prepared work reports, estimated quantities, ensured smooth and efficient operations of technician and/or consultant personnel, etc.

Firm employed by: ECM Consultants, Inc.

Emilio Rodriguez | *Bridge Inspection/Paint Coating & Inspection*

Years of relevant experience with this employer	12
Years of relevant experience with other employer(s)	20

Degree(s) / Years / Specialization	n/a	Year registered	n/a
Active registration number / state / expiration date	n/a	Discipline	n/a

Contract role(s) / brief description of responsibilities:
Mr. Rodriguez will provide bridge inspection services.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
06/20-04/22	**Lapalco Bridge Over Bayou Segnette JPPW-2017-045-RBP, Jefferson Parish, LA.** Mr. Rodriguez performed bridge inspection and resident inspection services for this $3 million rehabilitation of a 3,000 LF long, high-rise steel girder span and prestressed concrete girder span bridge supported by reinforced concrete pier/column systems resting on pile-supported reinforced concrete footings. Work included structural inspections of girders, bents, risers, anchor bolts, bearing pads, deck, expansion joints, railings, curtain walls, approaches, etc. He assisted ECM engineers in the preparation of the report detailing all the deficiencies and damages, including the existing Lead-Based Paint (LBP) system on steel girders. He provided resident inspection for repairs and/or replacement of all damaged bridge elements including bent anchor bolts, angle cleats, all deck expansion joint systems, replacing all bearing pads for the girders by lifting each span individually by jacking, and abatement of LBP and repaint all steel girder spans and remove and replace the bridge's concrete curtain wall.
2013-2016	**Underwater Bridge Inspection, LADOTD, Statewide, LA** Mr. Rodriguez provided underwater bridge inspection services in conjunction with divers for approximately 400 bridges for LADOTD under this three-year retainer contract. The scope of services includes level I and level II inspection of the structure to identify significant defects and anomalies. Level I Inspection included visual and tactile inspection of submerged elements according to the LADOTD PONTIS Inspection Manual and documentation on the LADOTD Underwater Inspection Form to assign NBI substructure rating. The scope of work included inspection and preparation of detailed reports involving elements and conditions rating and documentation of any significant deviations from as-built conditions for each inspection. This included inspection of pile bents and related elements such as columns, concrete piers, abutments, caps, etc. The inspection team documented all cracking/holes, hard/soft marine growth levels, scaling, exposed rebar and steel, corrosion of steel plates, scour, drift build-up, riprap, spalls, etc. Sounding and/or Underwater Acoustic Imaging (UAI) was also used to augment dive inspections when dive conditions were hazardous.
02/11-08/13	**S.P. No. H.003203.6, I-10 Calcasieu River Bridge Repairs, LADOTD, Calcasieu Parish, LA.** Mr. Rodriguez provided construction inspection services for structural steel repairs to the approach trestle bents and stringers, repairs to the connections of the main deck truss & steel cantilever truss members, painting of truss connections, anchor bolt repairs, & associated repairs to the approach roadway pavement expansion joints. He conducted an initial inspection/assessment of the unforeseen conditions during construction and collected information (including field dimensions and photos of what has been encountered) for review by the project engineer. He also provided inspection of surface preparation and application of protective coating for all structural steel components. This also involved monitoring ambient conditions, coating mixing, wet and dry film thickness, final coating cure, cleaning, and removal of lead-based paint.

Firm employed by: ECM Consultants, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
04/22-On going	**Belle Chasse Bridge and Tunnel Replacement, A P3 Design-Build Project, LADOTD, (Developer: Plenary Infrastructure Belle Chasse LLC),** Mr. Rodriguez is providing construction inspection services as one of the inspectors for this $182 million new Mid-Level fixed span bridge that will span the Intracoastal Waterway on Louisiana Highway 23. This project will include the demolition of the existing Perez Movable Bridge and the Belle Chasse Tunnel. This work provides pile driving, steel girders, prestressed concrete girders, on-grade roadway including earthwork, subbase, base, drainage, utility relocation, PCC pavement, Asphaltic Concrete pavement, concrete barrier railing, etc.
06/09-10/16	**S.P. No. 064-05-0085, Bayou Lafourche Bridge at Larose, (CE&I), LADOTD, Lafourche Parish, LA:** Mr. Rodriguez provided construction inspection for this new vertical lift bridge that is one of the largest single span lift bridges in the state of Louisiana which measures 122' by 84.' Each end of the lift span is raised on dual columns towering 96' in height, with sheaves measuring 13' in diameter and weighing in at 60,000 pounds. Mr. Rodriguez performed quality assurance inspection and prepared daily reports with photographs, for marine pile driving, piers construction using steel cofferdam TRS, concrete tower columns; the installation of structural steel girder framed movable sections including sheaves, cables, etc.; welded and bolted connections and anchor bolts etc. He performed inspections for the field painting operation of the main steel girders.
03/11-05/12	**S.P. No. H.006318.6, (CE&I): St. Ann Bridge over Bayou Terrebonne | LADOTD | Terrebonne Parish, LA:** Mr. Rodriguez provided construction inspection services as one of the inspectors for this $4.2 million movable bridge construction project including approach roadways under the Off-System Bridge Replacement Program. The project involved construction of a new bobtail 90' single swing movable steel girder bridge with concrete bridge piers and concrete slab span approaches over Bayou St. John to replace an existing single lane steel truss swing bridge structure. The scope included driving prestressed concrete piles, concrete pier construction and steel movable bridge installation with structural components such as main girders, floor beams, cross bracings, end dams, stiffeners, angles, bolts etc. including all electrical and mechanical items; surface preparation and field painting/coating of girders and all steel structural components, timber fender system, navigational lights and asphalting concrete roadway construction.

Firm employed by: ECM Consultants, Inc.				
Benjamin Dow | *Bridge Inspection*		Years of relevant experience with this employer	16	
		Years of relevant experience with other employer(s)	16	
Degree(s) / Years / Specialization	n/a	Year registered	n/a	
Active registration number / state / expiration date	n/a	Discipline	n/a	
Contract role(s) / brief description of responsibilities: Mr. Dow will provide bridge inspection services.				

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
06/21-04/22	**JPPW No. 2013-010-RB, Lapalco Blvd. Bridge over Bayou Segnette, Jefferson Parish DPW, Jefferson Parish, LA:** Mr. Dow provided bridge safety inspection and resident inspection services for rehabilitating this 3,000' long bridge in Jefferson Parish. He performed inspections for the condition assessment and documented all visible deficiencies and damages and recorded them in the inspection report. During the construction inspection, he monitored the replacement of all bearing pads for the girders that required lifting of each span individually, replace all damaged and bent anchor bolts and angle clits, replace all deck expansion joint systems, remove and replace the bridge's concrete curtain walls, installing new expansion joint materials on the deck and installation of a heavy steel structure to support the concrete girders in the event the movement of the span continues beyond the bent cap.
05/14-12/16	**S.P. No. 4400003534 Retainer Contract for Underwater Bridge Inspection Services, LADOTD; Statewide, LA:** Mr. Dow provided inspection services for approximately 100 bridges under this five-year retainer contract. Scope of work included detailed reports involving elements and conditions rating and documentation of any significant deviations from as-built conditions for each inspection, recommendations for rehabilitation/repair, as well as other pertinent data. Some notable bridge inspections included: • LA 16 Over Amite River Moveable Bridge, Livingston Parish, LA • US 90 Over West Pearl River Truss Steel Vertical Lift Bridge, St. Tammany Parish, LA • US 90 Over West Middle River Cantilever Trusses Bridge, St. Tammany Parish, LA • Lapalco Blvd Over Harvey Canal Bascule Bridge, Jefferson Parish, LA • LA 56 Smith Ridge Cable-Stayed Moveable Truss Bridge Terrebonne Parish, LA
04/22-On going	**S.P. No. 713-38-0001, Belle Chasse Bridge, A P3 Design-Build Project, LADOTD, (Developer: Plenary Infrastructure Belle Chasse LLC)**, Mr. Dow is providing construction inspection services as one of the inspectors for this $182 million new Mid-Level fixed span bridge that will span the Intracoastal Waterway on Louisiana Highway 23. This project will include the demolition of the existing Perez Movable Bridge and the Belle Chasse Tunnel. This work includes pile driving, steel girders, prestressed concrete girders, on-grade roadway including earthwork, subbase, base, drainage, utility relocation, PCC pavement, Asphaltic Concrete pavement, concrete barrier railing, etc.
06/09 -10/16	**S.P. No. 064-05-0085, Bayou Lafourche Bridge at Larose, LADOTD, Lafourche Parish, LA:** Mr. Dow served as a construction inspector for this $32 million vertical lift bridge. This 122' x84' movable section is the largest span lift bridge in the state. The work included driving concrete piles, steel sheet pile TRS, concrete piers, 96' high concrete towers, installation of structural steel members of the bridge, sheaves, cables welding, bolted connections, anchor bolts, and concrete approaches..

Firm employed by: ECM Consultants, Inc.	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
05/11-08/13	**S.P. No. H.003203.6: I-10 Calcasieu River Bridge Repairs, LA DOTD; Calcasieu Parish, LA:** Mr. Dow provided construction inspection services for structural steel repairs to the approach trestle bents and stringers, repairs to the connections of the main deck truss & steel cantilever truss members, painting of truss connections, anchor bolt repairs, and associated repairs to the approach roadway pavement expansion joints. He conducted an initial inspection/assessment of the unforeseen conditions during construction and collected information (including field dimensions and photos of what has been encountered) for their review by the project engineer.
11/08-01/09	**Interim Inspection of 52 Off-System Bridges, LADOTD and City of New Orleans-DPW, Orleans Parish, LA:** Mr. Dow served as Bridge Inspector for the interim inspection of 52 Off-System Bridges in Orleans Parish. He was responsible for the following: review of previous inspection reports and construction drawings; interim inspections in accordance with AASHTO "Manual for Condition Evaluation of Bridges"; and documentation of all conditions found in accordance with LA DOTD "Recording and Coding Guide for Structure Inventory and Appraisal of the State's Bridges."

SECTION 16

STAFF EXPERIENCE

APS ENGINEERING AND TESTING

Sergio Aviles, PE
Sairam Eddanapudi, ME, PE
Surendra Pathak, MS, PE

VOLKERT

Firm employed by: APS Engineering and Testing, LLC

Sergio Aviles, PE, M.ASCE | *Geotechnical*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	BS Civil Engineering/2001/Geotechnical	Year registered	2007
Active registration number / state / expiration date	0033571/ LA / 03-31-2026	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Aviles will provide geotechnical services.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
Mr. Aviles has over 20 years of experience in geotechnical and civil engineering. After founding A P S Engineering and Testing eleven years ago, he continued his work throughout Louisiana working with both government and private entities. Mr. Aviles has extensive experience in design and construction supervision of roadway projects in the state. He has frequently worked with LADOTD performing slope stability analysis, embankment settlement calculations, mechanically stabilized earthen wall design, sheet pile design and pile testing. Mr. Aviles is also proficient in the use of AutoCAD Civil 3D which he utilizes in the design of projects.	
06/20-7/24	**Rural Bridge Replacement Initiative-** Scope includes geotechnical investigation and design for the replacement of 60 structures on the LA state highway system. Geotechnical investigation consists of drilling, laboratory testing, soil classification and site characterization. Engineering analysis includes slope stability analysis (when applicable) and pile capacity analysis for foundations to support new bridge structures. Mr. Aviles is the Supervisor-Engineer to the Geotechnical Investigation.
09/21-05/24	**Port Hudson-Pride Road (LA-964 – LA-19)-** Scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the manager to geotechnical investigation.
11/19-12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85-** A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the Project Manager for the Project Design team.
09/19-05/23	**Project No. H.004100: I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. A P S drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, A P S tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Aviles was the Project Manager to the Geotechnical Investigations.
03/21-11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)-** Scope of this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. Mr. Aviles was the project manager to the Geotechnical Investigations.

Firm employed by: APS Engineering and Testing, LLC	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).).
11/19-06/22	**Project No. H. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19-** A P S was selected with the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Design for the project. Mr. Aviles served as the Project Manager for the Project Design team.
08/16-10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Aviles was the Project Manager to the Geotechnical Investigations
03/19-05/19	**Project No. H.001344: US 190 over Bogue Falaya River-** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for foundation recommendations. Mr. Aviles was the Project Manager for the Project Design Team.
05/18-03/19	**Project No. H.011670: I-10 Loyola Interchange Improvements**- The scope of this project included subsurface investigation to provide the client with necessary information for the planning and design of a new interchange to connect to the new airport terminal. Mr. Aviles was the Project Manager to the Geotechnical Investigations.
05/16-10/17	**Project No. H.002861: Earhart Expy/Causeway Interchange, New Orleans**- Scope included geotechnical investigation, design and reporting for the proposed bridge. A P S drilled and sampled 49 deep borings. Geotechnical analysis included deep and shallow foundation recommendations, settlement analysis, roadway design, sheet-pile design and LRFD design factor for the existing structure. Mr. Aviles was an Engineer on the Project Design Team.
03/01 – 05/05	The following list consists of projects that Mr. Aviles did the design or assisted on the design while at LADOTD. These projects include pile design, slope stability, settlement analysis, and construction services (PDA, CAPWAP, and WEAP). ONSYSTEM PROJECT LIST: Mr. Aviles served as the staff geotechnical engineer while at the Pavement and Geotechnical Section for the following projects below. Projects include Embank Design, Pile Design, Drilled Shaft Design, MSE Wall Design, and Construction Supervision. Major project costs estimated over one million dollars: 015-04-0037 LA524-LA123 Route US165, 015-05-0035 LaSalle, 015-07-0044 (Route 165 Cadwell, 276-03-0016 Tangipahoa River Bridge, 3132 01-0029, 362-01-0009 Rat Bois, 452-01-0039 I-55 CrossOvers, 742-07- 0098 Susek Drive, Bayou Perrie and Sand Beach Bayou 103-01-0025, Broadway Ave.700-40-0127, Cameron Route La. 27 193-02-0042, Causeway Boulevard interchange Route I-10 450-15-0098,Clayton-Greenville 026-03-0025, Crescent City Connection 283-08-0143(46), Cross Bayou Bridge 090-01-0020, Flannery at Florida 742-17-0008.Innerloop 427

Firm employed by: APS Engineering and Testing, LLC

Sairam (Sai) Eddanapudi, M.E., P.E. | *Geotechnical*		Years of relevant experience with this employer	12
		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization	ME/2002/ Civil Engineering BE/1999/ Civil Engineering	Year registered	2009
Active registration number / state / expiration date	0035129/ LA / 03-31-2026	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Eddanapudi will provide geotechnical services.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
Mr. Sairam (Sai) Eddanapudi is the Senior Geotechnical Engineer for A P S. He has over 20 years of experience in the geotechnical and civil engineering fields. Mr. Sai's professional experience consists of the design of roadways, bridges, levees and T-walls as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drill shafts, soil and concrete. Mr. Sai has experience with the following software: Slope/w (2004 and 2007 versions) for slope stability analyses, Seep/w for seepage analysis, Driven 1.2 (for driven piles), MicroStation V8, CWALSHT and FS004 for slope stability analyses, Swell Potential (for expansive soils), Drilled Shaft Design software, Auger cast pile design Analysis, AASHTO pavement, Slope analysis, and Differential Settlement Analysis.	
06/21-7/24	**Rural Bridge Replacement Initiative-** Scope includes geotechnical investigation and design for the replacement of 60 structures on the LA state highway system. Geotechnical investigation consists of drilling, laboratory testing, soil classification and site characterization. Engineering analysis includes slope stability analysis (when applicable) and pile capacity analysis for foundations to support new bridge structures. Mr. Sai is the Chief Engineer to the Geotechnical Investigation.
09/21-05/24	**Port Hudson-Pride Road (LA-964 – LA-19)-** Scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Sai was the Chief Engineer to Geotechnical Investigation.
11/19-12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85-** A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Sai was Chief Engineer for the Project Design team.
09/19-05/23	**Project No. H.004100: I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. A P S drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, A P S tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai was the project QA to the Geotechnical Investigations.

Firm employed by: APS Engineering and Testing, LLC	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
03/21-11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)-** Scope of this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. Mr. Sai was the project QA to the Geotechnical Investigations.
11/19-06/22	**Project No. H. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19-** A P S was selected with the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Design for the project. Mr. Sai was the Senior Design Engineer for the Project Design team.
08/16-10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Sai was the QA to the Geotechnical Investigation.
03/19-05/19	**Project No. H.001344: US 190 over Bogue Falaya River**- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Sai was Senior Design Engineer for the Project Design team.
05/18-03/19	**Project No. H.011670: I-10 Loyola Interchange Improvements-** The scope of this project included subsurface investigation to provide the client with necessary information for the planning and design of a new interchange to connect to the new airport terminal. Mr. Sai was an engineer to the Geotechnical Investigations.
05/16-10/17	**Project No. H.002861: Earhart Expy/Causeway Interchange, New Orleans-** Scope included geotechnical investigation, design and reporting for the proposed bridge. A P S drilled and sampled 49 deep borings. Geotechnical analysis included deep and shallow foundation recommendations, settlement analysis, roadway design, sheet-pile design and LRFD design factor for the existing structure. Mr. Sai was the Project Manger to the Geotechnical Investigation.

Firm employed by: APS Engineering and Testing, LLC

Surendra Pathak, M.S, P.E. | *Geotechnical*		Years of relevant experience with this employer	11
		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	MSCE/2013/Civil Engineering BE/2007/Civil Engineering	Year registered	2019
Active registration number / state / expiration date	004348/LA/09-03-2025	Discipline	Civil

Contract role(s) / brief description of responsibilities:
Mr. Pathak will provide geotechnical services.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time years of experience specified in the applicable MPR(s).
Mr. Surendra Pathak is a Staff Geotechnical Engineer for A P S. He has over 15 years in the Geotechnical and Civil Engineering field. Mr. Pathak received a Master of Science in Civil Engineering (MSCE) from Mississippi State University in 2013, a Master of Science in Civil Engineering from Norwegian University of Science and Technology in 2007, and a B.E. in Civil Engineering from Madan Mohan Malaviya University of Technology (India) in 1998. Mr. Pathak's professional experience consists of the design of roadways, bridges, levees and T-walls as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drill shafts, soil and concrete.	
06/21-7/24	**Rural Bridge Replacement Initiative-** Scope includes geotechnical investigation and design for the replacement of 60 structures on the LA state highway system. Geotechnical investigation consists of drilling, laboratory testing, soil classification and site characterization. Engineering analysis includes slope stability analysis (when applicable) and pile capacity analysis for foundations to support new bridge structures. Mr. Pathak is the Design Engineer to the Geotechnical Investigation.
09/21-05/24	**Port Hudson-Pride Road (LA-964 – LA-19)-** Scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Pathak was an Engineer to the Geotechnical Investigation.
11/19-12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85-** A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Pathak was a Geotechnical Engineer for the Project Design team.
09/19-05/23	**Project No. H.004100: I-10 Widening LA 415 to Essen LN-** A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. A P S drilled a total of eight (8) over the water borings and 44 land borings. Along with this drilling and sampling, A P S tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Pathak was an Engineer to the Geotechnical Investigations.

Firm employed by: APS Engineering and Testing, LLC	
Experience dates (mm/yy-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 years of experience specified in the applicable MPR(s).].
03/21-11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)-** Scope of this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. Mr. Pathak was an Engineer to the Geotechnical Investigation.
11/19-06/22	**Project No. H. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19-** A P S was selected with the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Design for the project. Mr. Pathak was a Design Engineer for the Project Desing team.
08/16-10/19	**Project No. H.012422: I-110 Interchange Modification at Terrace Ave-** A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Pathak was an engineer to the Geotechnical Investigations.
03/19-05/19	**Project No. H.001344: US 190 over Bogue Falaya River-** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Pathak was a Design Engineer for the Project Design team.
05/18-03/19	**Project No. H.011670: I-10 Loyola Interchange Improvements-** The scope of this project included subsurface investigation to provide the client with necessary information for the planning and design of a new interchange to connect to the new airport terminal. Mr. Pathak was an engineer to the Geotechnical Investigations.
05/16-10/17	**Project No. H.002861: Earhart Expy/Causeway Interchange, New Orleans-** Scope included geotechnical investigation, design and reporting for the proposed bridge. A P S drilled and sampled 49 deep borings. Geotechnical analysis included deep and shallow foundation recommendations, settlement analysis, roadway design, sheet-pile design and LRFD design factor for the existing structure Mr. Pathak was an Engineer on the Project Design Team.

SECTION 17

FIRM EXPERIENCE

VOLKERT

17. Firm Experience:

Firm name	Volkert, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Nationwide Bridge Inspection Services	Firm responsibility (prime or sub?)	Prime
Project number	n/a	Owner's name	Eastern Federal Lands Highway Division of the Federal Highway Administration
Project location	Nationwide	Owner's Project Manager	Marcus Miller, PE
Owner's address, phone, email	22001 Loudoun County Parkway; Building E3, Suite 200; Ashburn, Virginia 20147, 703-404-6252		
Services commenced by this firm (mm/yy)	07/05	Total consultant contract cost ($1,000's)	$14,200
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	n/a

Volkert has been selected for 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.

For each task order, Volkert provides routine, interim, or initial inspections of identified structures, and then completes bridge and tunnel inspection reports. Currently, Volkert has completed over 950 load ratings for structures in the NPS system. Volkert has also conducted fracture critical inspections, underwater inspections, Level 1 scour evaluations, and load rating for structures owned by the United States Forest Service (USFS) and the General Services Administration (GSA).

Under these contracts, Volkert has performed over 5,000 bridge inspections in 45 states and Washington, DC including the entire length of the Blue Ridge Parkway and Natchez Trace Parkway. Some of the notable structures inspected include: The Double Arch Bridge on Natchez Trace Parkway, Linn Cove Viaduct on the Blue Ridge Parkway, the Cumberland Gap Tunnel in Cumberland Gap National Historic Park, the Silver and Black Bridges in Grand Canyon National Park, and Dry Tortugas National Park that was accessible only by boat or seaplane.

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.

In addition to structures located in the National Park Service system, Volkert has performed nearly 840 initial, routine, and underwater bridge inspections, some of which required UBIVs and underwater inspections, at various Air Force bases and ranges throughout the nation. In 2017, Volkert performed the initial element level inspections on all of the simple and complex tunnels owned and maintained by the NPS and developed detailed tunnel inspection plans for these tunnels.

Additional services provided under these contracts have included the emergency topside and underwater inspections at several sites in the New York Metropolitan area after Hurricane Sandy. At Statue of Liberty National Monument, Volkert provided in-depth topside and underwater inspections of the two docks, which service Liberty Island. During Hurricane Sandy, the service dock and the public dock had damage, but were open to ferry essential personnel to and from the Island. The findings of these inspections were used to develop preliminary repair/construction plans for both docks. In addition to the preliminary plans, Volkert provided detailed construction cost estimates and schedules.

Staff to be used in this proposal: Aaron Immel, PE, Matt Burnett, PE, Stephen Dossett, PE, Robert Scheeler, PE, Corey Boss, Luke Chambless, Robbie Chambless, Sandy Sumner, Todd Powell, Anthony Bibelhauser, Paul Swann

Firm name	Volkert, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	On-Call Bridge Maintenance and Repair Contract	Firm responsibility (prime or sub?)	Prime
Project number	n/a	Owner's name	TDOT
Project location	Statewide, TN	Owner's Project Manager	Tom Quinn, PE
Owner's address, phone, email	615.741.8400		
Services commenced by this firm (mm/yy)	01/15	Total consultant contract cost ($1,000's)	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	

As part of Volkert's Bridge Maintenance and Repair On-Call contract with the Tennessee Department of Transportation (TDOT), Volkert has been issued numerous work orders to provide pre-rehabilitation, tunnel, and underwater inspections services for both on- and off-system bridges throughout the state. Through these task orders, Volkert provided a follow-up or pre-habilitation inspection on bridges identified for repairs. These inspections detailed those items which were to be repaired and identified other deficiencies that could be included in the repair plans. Volkert's structural engineers designed the repairs to restore the structure and prepared the repair plans with cost estimates. Once the contract has been let for construction, Volkert performed CE&I services to ensure that the repairs were being completed as intended and to answer any questions related to the design plans.

Volkert also had several work orders with subconsultant Collins Engineers to perform underwater inspections throughout the state. Several of the on-system structures included interstate bridges across the Cumberland River in downtown Nashville. These bridges required coordination with the United States Coast Guard and the local law enforcement due to several "sensitive" facilities near the bridges and so that our team did not disrupt maritime traffic along the River. Collins assisted with inspections over 1 atmosphere (33 ft) and performed 2D acoustic imaging. Each bridge required a site-specific dive plan detailing the elements and logistics of the inspection as well as safety procedures and nearby medical facilities to be submitted and approved prior to commencing underwater inspection operations. Each inspection is led by a professional engineer registered in Tennessee who qualifies as an underwater team leader as prescribed by the National Bridge Inspection Standards (NBIS).

The Level I and II inspections extend from the waterline to the mudline for selected bridge substructures and foundation elements. These bridges are comprised of steel, masonry, concrete, timber abutments, piling, piers, or pier protection systems. For each inspection, the team identifies the location and severity of any underwater deficiencies in those bridges. For concrete and masonry elements, any cracking, scaling, or spalling and any deterioration/corrosion to any exposed steel reinforcement is detailed. Any paint failure, corrosion, section loss, or bending is reported in steel elements. For timber elements, the underwater length of the pile is sounded for decay and any deterioration resulting from fungi, inspects, or marine borers is expressed, often with a sketch detailing the good material versus decay/deteriorated material in the cross section of the pile. Masonry elements are inspected to determine the integrity of the mortar joints and any cracking of the stones. A scour evaluation is also performed at these bridge sites to determine the bridge's susceptibility to scour and erosion. This evaluation notes any site-related issues which includes local scour around piles and/or voids or undermining of the abutments or pier footings. The channel is also inspected to identify any scour patterns along the channel through the bridge and along the channel banks. Channel bed soundings are taken at 10-ft intervals at each end and side of the piers for a distance of 50-ft. If scour countermeasures, such as riprap or gabion baskets, are in place, then the location and average rock size is identified. Finally, any navigational hazards such as debris or faded channel markers are noted

In 2017, as part of this contract, Volkert was issued a work order to provide initial tunnel inspections for tunnels within the TDOT inventory in accordance with the Tunnel Operations, Maintenance, Inspection, and Evaluation Manual (TOMIE). In 2019 and 2021, Volkert performed the subsequent biennial inspections on each of these tunnels with inspection reports for each updated.

All of this information from the field is used to develop a detailed inspection report. Following Volkert's customized QC/QA process, the reports are signed and sealed then submitted to TDOT.

Staff to be used in this proposal: Aaron Immel, PE, Matt Burnett, PE, Todd Powell

Firm name	Volkert, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Sunshine Skyway Bridge Asset Managment Project	Firm responsibility (prime or sub?)	Prime
Project number	n/a	Owner's name	FDOT District 7
Project location	Hillsborough and Pinellas Counties, FL	Owner's Project Manager	James Jacobsen, PE
Owner's address, phone, email	11201 N. Malcolm McKinley Drive, Tampa, Florida 33612, 813.323.1149, james.jacobsen@dot.state.fl.us		
Services commenced by this firm (mm/yy)	01/00	Total consultant contract cost ($1,000's)	$7,700
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm ($1,000's)	$7,700

This project consisted of routine inspection for 11 bridges, including the four-mile-long Bob Graham Sunshine Skyway Cable-Stayed Bridge over Tampa Bay, the adjacent 36 large concrete dolphins, and nine signs. The main span section is 4,000-feet-long with a 1,200-foot-long main span comprised of a single post-tensioned precast segmental box girder supported by 42 continuous stay cables (21 per pylon) encased in 84 steel tubes. A combination of climbing and rigging, high lifts (up to 250 feet), and spotter scopes were used. A barge with manlifts was used to access 2.5 miles of the low-level approach spans. In some cases, only visual access could be accomplished using bore scopes and remote cameras. Volkert provided inspection, inspection planning, load ratings, MOT, incidental engineering, and emergency response services. Inspections and reporting utilized the Pontis format supplemented by large addenda typical of highly complex bridge inspections and included CIDR development. Volkert was also responsible for initiating work orders and processing/uploading the reports into the State's EDMS. Emergency response included inspections following Hurricanes Frances and Jeanne in 2004 and Dick Misener Bridge fender repairs.

This project met state DOT standards and national standards similar to Georgia DOT's PDP, EDG, PPG, and DPM. For this project, the Manual for Inspection and Maintenance of the Sunshine Skyway Bridge Segmental Concrete Approaches and Main Span by Figg Engineering Group and the Sunshine Skyway Bridge Manual 2 for Inspection and Maintenance by PB Americas, Inc. were utilized.

Staff to be used in this proposal: Aaron Immel, PE, Anthony Bibelhauser, Davey Smith, Todd Powell

Firm name	Volkert, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Master Contract Complex and Timber Bridges; Load Rating of Complex, Timber, and Non-Complex Bridges FY2020-2022	Firm responsibility (prime or sub?)	Prime
Project number	n/a	Owner's name	MS Office of State Aid Road Construction
Project location	Statewide, MS	Owner's Project Manager	David Barrett, PE
Owner's address, phone, email	601-359-7129		
Services commenced by this firm (mm/yy)	10/19	Total consultant contract cost ($1,000's)	$5,892
Services completed by this firm (mm/yy)	06/22	Cost of consultant services provided by this firm ($1,000's)	$5,892

This project consisted of inspection of complex and timber bridges; load rating of complex, timber, and non-complex bridges on select bridges identified by OSARC. The bridges are owned and maintained by various counties, cities, or towns throughout the state of Mississippi. All inspections were in accordance with National Bridge Inspection Standards (NBIS) and the AASHTO Manual for Bridge Evaluations (MBE). Element data was input into the State Aid AssetWise bridge software as necessary.

To date, Volkert has performed 568 bridge inspections and 162 non-complex load ratings as part of this contract. These bridges consisted of steel with fracture critical members (floor beams, trusses), continuous plate girders, steel girders, railroad flat cars, and movable bridges, as well as timber substructures and/or timber superstructures. Approach spans were typically timber, precast concrete or prestressed concrete beam spans.

George Butler Associates (formerly Rio Engineering) and Hardesty & Hanover are both subconsultants to Volkert on this project, with Volkert performing 93% of the work.

Staff to be used in this proposal: Aaron Immel, PE, Robert Scheeler, PE, Davey Smith, Will Valentine, Britt Bumper, PE, Corey Boss, Paul Swann, Sandy Sumner

Firm name	Volkert, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Oak Harbor Bridge Replacement	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Korts Construction Services/LADOTD
Project location	Slidell, LA	Owner's Project Manager	Wayne Pontiff, Jr.
Owner's address, phone, email	2182 Manton Drive, Covington, LA 70433; 985-898-0932; wpontiff@kortsconstructionservices.com		
Services commenced by this firm (mm/yy)	9/20	Total consultant contract cost ($1,000's)	$182
Services completed by this firm (mm/yy)	9/21	Cost of consultant services provided by this firm ($1,000's)	$182

The Oak Harbor Boulevard Bridge is an AASHTO/LADOTD type 4S prestressed concrete girder span made continues by the means of continuity diaphragms and continues slabs.

This bridge has two main spans crossing I-10 near Slidell and was struck by an excavator on a lowboy and damaged several girders over the eastbound of I-10. In addition to severely spalled concrete, two girders had a few severed prestressed strands. The overpass bridge was partially closed and the responsible party for the damage had agreed to repair it to the satisfaction of the owner, LADOTD. During discussion with LADOTD, the responsible party had inquired about which consulting firm they need to hire that will receive LADOTD approval. LADOTD Bridge Design Engineer was familiar with our bridge engineers' prior work on a similar project and was pleased with its results. The endorsement by LADOTD prompted Volkert's hiring for inspection, design, repair plan delivery and load rating of the before and after repaired condition. We began work by dispatching our most experienced bridge inspectors to the job site where they were able to provide us with concise evaluation of the damage with measurements and photographs. Historically, LADOTD's policy on repair of damaged prestressed girder with severed strands was to remove the damaged portion of the span from bent to bent and rebuild it with new. Although this method of repair generally renders satisfactory results, it has several drawbacks over the in-place repair option. Removal and replacement of any portion of the span disrupts traffic below and is undesirable, especially when it is over a freeway. Another disadvantage is that it is less economical and more time-consuming. In this case we were facing an additional technical problem which was the difficulty with separating a section of a continues span since girders were braced with continuity diaphragms. For these reasons, we recommended that we evaluate the feasibility of in-place repair which necessitated the mechanically splicing and re-tensioning of the severed strands, an element to repair which was uncommon practice with LADOTD. Our preliminary analysis indicated that this method of repair was feasible and after discussion with LADOTD bridge design engineers, it was decided that in-place repair was the best path forward.

To the best of our knowledge, this may have been the first repair of prestressed girder where severed strands were spliced and re-tensioned. The design and repair included concrete patching, epoxy injection of cracks and CFRP wrapping of the damaged locations after re-tensioning of the severed strands in conformance with the LADOTD "NS Externally Bonded Fiber Reinforced Systems for Strengthening Concrete Structures (09/25/18)" which encompassed compliance with several national standards and guidelines such as AASHTO LRFD, ASTM, ACI and ICRI. The repair process was primarily during the late nigh hours and ceased prior to the morning high volume traffic. Before and after repair load rating was conducted and in conclusion, the project was completed to the satisfaction of LADOTD, the responsible party, the contractor and subcontractors. We believe this method of repair is less invasive than removing and replacing the damaged portion of the span when feasible and a project where other repair projects in the future may be modeled after.

Staff to be used in this proposal: Janet Evans, Hossein Ghara, Aaron Immel, Jacob Parker, Britt Bumpers

Firm name	Fickett Structural Solutions	Past Performance Evaluation Discipline(s)*	Bridge
Project name	City of Tacoma Inspections of Special Bridges	Firm responsibility (prime or sub?)	Prime
Project number	CW2262057	Owner's name	City of Tacoma, Washington
Project location	Tacoma, Washington	Owner's Project Manager	Steve Cartens
Owner's address, phone, email	747 Market Street, Room 520, Tacoma WA 98402, scarstens@cityoftacoma.org, (253) 591-5263		
Services commenced by this firm (mm/yy)	01/24	Total consultant contract cost ($1,000's)	$239
Services completed by this firm (mm/yy)	12/25	Cost of consultant services provided by this firm ($1,000's)	$239

The City of Tacoma engaged Fickett Structural Solutions, Inc. (Fickett) to conduct Routine and Non-redundant Steel Tension Member (NSTM) Inspections for 15 large structures over a 2-year inspection cycle. All of these inspections require specialized access methods to safely perform thorough assessments. Our scope of work includes the City's expansive multi-span through truss structures, as well as two sizable, multi-span movable truss structures. Our team of engineer/bridge inspectors conducts both National Bridge Inventory (NBI) and Element Level Inspections, including hands-on assessments of NSTM elements.

To facilitate this work, we utilize an under bridge inspection truck (UBIT), lifts, and rope access techniques in accordance with the Society of Professional Rope Access Technicians (SPRAT) standards for arm's length inspections of NSTM elements. Performing these inspections requires extensive coordination with the City, traffic control, and equipment rentals to ensure safe and efficient completion.

Following each inspection, we generate a comprehensive report that evaluates the overall bridge condition. These reports include supplementary reports, short- and long-term maintenance recommendations, and photographs to substantiate our findings. All inspections adhere to NBI and Washington State DOT (WSDOT) Bridge Inspection Standards, while meeting project deadlines and time lines.

The City has repeatedly awarded us this contract every two years, beginning in 2018.

Staff to be used in this proposal: Ryan Sievers

Firm name	Fickett Structural Solutions	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Montana DOT NBIS Inspections	Firm responsibility (prime or sub?)	Prime
Project number	MDT 112100	Owner's name	Montana Department of Transportation (MDT)
Project location	Statewide, Montana	Owner's Project Manager	Charles Horinek
Owner's address, phone, email	2701 Prospect Avenue, Helena, MT 59620, (406) 396-5768, chorinek@mt.gov		
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost ($1,000's)	$1,540
Services completed by this firm (mm/yy)	12/24	Cost of consultant services provided by this firm ($1,000's)	$1,540

Fickett has been retained by Montana DOT (MDT) to perform NBIS Routine, NSTM, Partially Destructive, and Quality Assurance Inspections throughout Montana over the course of three Master Contracts since 2016. Fickett has performed 500 Routine and NSTM Inspections, partially destructive pattern drilling on 210 timber bridges, and performed one in-depth inspection on structures throughout Montana. Fickett has identified 30+ Critical Findings that have closed a bridge, required immediate action, or initiated an updated load rating/posting. Of these findings, a majority were existing conditions that were not properly documented, or not found during previous inspections.

After the completion of the 2019 Timber Boring Term Assignment, an inspection summary was created documenting common discrepancies, miscodings, and element defects. This inspection summary is now required by MDT for all consultants. Fickett has created a standard timber inspection template and associated guidance, which had been utilized by MDT since the 2022 Inspection Contract. Supplemental reports including timber boring logs and cross-channel profiles were created and attached to BrM. All bridge inspections were completed within the calendar month that was required; and were submitted in MDT's BrM database on time and within budget.

To date Fickett has not turned down a term assignment, missed an inspection deadline, or missed an inspection deadline.

Staff to be used in this proposal: Ryan Sievers

Firm name	KTA-Tator, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Krotz Springs Bridge	Firm responsibility (prime or sub?)	Sub
Project number	4400025311 task order	Owner's name	LADOTD (Hardesty & Hanover, LLP – prime consultant)
Project location	St. Landry Parish, LA	Owner's Project Manager	Babak "Bobby" Naghavi, PE, PH, PhD – Hardesty & Hanover
Owner's address, phone, email	3850 N. Causeway Blvd, Suite 1625, Metairie, LA 70002 504-605-7940 bnaghavi@hardestyhanover.com		
Services commenced by this firm (mm/yy)	02/24	Total consultant contract cost ($1,000's)	$5,000
Services completed by this firm (mm/yy)	04/24	Cost of consultant services provided by this firm ($1,000's)	$12

The Krotz Springs Bridge is owned and operated by LADOTD. The bridge was constructed in 1973 and consists of eastbound and westbound structures. Each bridge carries two lanes of vehicle traffic over the Atchafalaya River in Krotz Springs, Louisiana. The bridges consist of a 3-span truss main span that measures 780 ft. The coating history indicates that the westbound bridge was last coated in December of 2017 and the eastbound bridge was last coated in May of 2016, both with a coating system consisting of a zinc epoxy primer, epoxy intermediate, and urethane finish.

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

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

Staff to be used in this proposal: Robert Lanterman

Firm name	Marine Solutions	Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	2023 Statewide Underwater Bridge Inspection Services	Firm responsibility (prime or sub?)	Sub
Project number	0123091 / 99BVAR-F1-007	Owner's name	Tennessee Department of Transportation
Project location	Statewide, Tennessee	Owner's Project Manager	Steven Paulson, P.E.
Owner's address, phone, email	Suite 1200, James K. Polk Building, 505 Deaderick Street, Nashville, TN 37243, 615-741-4232, steven.paulson@tn.gov		
Services commenced by this firm (mm/yy)	01/23	Total consultant contract cost ($1,000's)	$104
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm ($1,000's)	$104

Marine Solutions has provided underwater bridge inspection services to TDOT for over 15 years. These services have included routine and post-event inspections incorporating Level I, II and III inspections, acoustic imaging, hydrographic surveying, and deep-water diving. This project was performed under an annual task order for underwater inspections.

Marine Solutions performed routine NBIS underwater bridge inspections for 36 bridges including Level I, II, and III inspections, soundings, hydrographic surveys, and underwater imaging. The inspections were performed throughout central Tennessee, requiring varying access and diving equipment and procedures. Notifications and access procedures for busy navigable waterways were employed as well as swift water practices for accessing bridge substructure units located in seasonal swift water streams were also utilized to safely and effectively perform the inspections within the required month.

- All inspections were performed within the required month due.
- All bridge data was entered and finalized prior to the required due date along with accompanying electronic reports.
- Quality control checks were utilized to efficiently verify field notes prior to data entry and report development.
- Unmanned aerial vehicles were utilized to aid in bridge and substructure photographs.
- Underwater imaging or hydrographic surveys were performed by the dive team, without separate mobilization.

Staff to be used in this proposal: John Loftus; Ross Whiting; Austin Barber; Joseph Guthrie; Ian Conrath; Tyler Estes; and Morgan Gebert.

Firm name	WSP USA Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Engineering Services for Cable-Stayed Structures-Statewide	Firm responsibility (prime or sub?)	Prime
Project number	188658	Owner's name	Georgia Department of Transportation
Project location	Georgia	Owner's Project Manager	Robbie Koirala, PE
Owner's address, phone, email	935 East Confederate Avenue, Building 24, Room 408, Atlanta GA, (404)635-2893, rkoirala@dot.ga.gov		
Services commenced by this firm (mm/yy)	06/16	Total consultant contract cost ($1,000's)	$10,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$4,500

Under this task-order contract, our scope of work has encompassed various critical aspects:

1. Special Member Inspection of Sidney Lanier Cabley-Stayed Bridge: We conducted a meticulous inspection of 49 cable stays within deck-level guide pipes. Notably, 25 of these showed significant deterioration.
2. Routine Safety Inspection of Talmadge Memorial Cable-Stayed Bridge: This comprehensive inspection involved a visual assessment of all aspects of the bridge, including the bridge deck, tower interiors and exteriors, substructure, cable exteriors, and various support structures like light poles and overhead signs.
3. In-Depth Inspection of Talmadge Bridge: Our scope involved a comprehensive visual inspection and repair recommendations of all primary structural elements.
4. Operation and Maintenance (M&O) Manual for Sidney Lanier and Talmadge Cable-Stayed Bridges: We developed a comprehensive manual to guide GDOT's staff in maintaining these bridges effectively throughout their service life.
5. Load Rating of Sidney Lanier and Talmadge Cable-Stayed Bridges: We conducted a thorough evaluation, including in-depth inspections, internal guide pipe assessments, dampening system analyses, and forced vibration testing, to determine the current condition and recommend necessary repairs. Detailed 3-D numerical models were developed to analyze the bridges for load rating of the superstructure and substructure. The load rating analysis incorporated inspection findings.
6. Repair Plans for Sidney Lanier Cable-Stayed Bridge: We addressed substantial deficiencies linked to excessive cable vibration, including issues like cracked stay piles, neoprene bearing failures, and corrosion of stay strands. Bearing replacement included bridge jacking analysis and deisgn.
7. Dampening Retrofit Plans for Sidney Lanier Cable Stays: Our team designed a retrofit solution to mitigate excessive cable vibration, incorporating an external viscoelastic damping system.
8. Dampening Retrofit Plans for Talmadge Memorial Bridge: Similar to task #4, we formulated dampening retrofit plans to address vibration concerns on this bridge.

WSP was asked by GDOT to present this project at the 2023 Southeast Bridge Preservation Conference.

Staff to be used in this proposal: Michael Craig; Hatem Seliem; Matthew Sullivan; Casey Howard; William Mitchell; Mark Pearson; Arunava Saha

Firm name	WSP USA Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Fracture-critical Member Bridge Inspections, Texas	Firm responsibility (prime or sub?)	Prime
Project number	188359	Owner's name	Texas Department of Transportation (TxDOT)
Project location	Statewide, Texas	Owner's Project Manager	Justin Wilson, PE
Owner's address, phone, email	125 E. 11th Street, Austin, TX 78701, (512) 348-5747, Justin.Wilson2@TXDOT.gov		
Services commenced by this firm (mm/yy)	06/16	Total consultant contract cost ($1,000's)	$4,000
Services completed by this firm (mm/yy)	06/21	Cost of consultant services provided by this firm ($1,000's)	$2,964

WSP is providing statewide fracture-critical inspection, tunnel inspection and ultrasonic bridge pin testing services for the TxDOT on a work authorization basis. This was a renewal of a previous $4,000,000 Fracture-Critical Member Bridge Inspection contract with TxDOT. Services include: reviewing previous inspection reports and load ratings, completing the necessary inspection activities, preparing inspection reports that identify the condition evaluation of the structure, recommending maintenance activities, reporting critical findings, generating any requested load ratings, and updating database records, where necessary. To date, WSP has performed inspections on numerous structure types, including cable-stayed, tub girders, through and pony trusses, plate caps, box caps, railroad flat cars, and two or three-girder framing systems. Services have included non-destructive testing (dye penetrant and magnetic particle) and ultrasonic testing of fracture-critical pins, performed by our Level II certified pin testing technicians. Traditional access equipment utilized in conducting the inspections includes boom lifts, bucket trucks, and under-bridge inspection vehicles. Throughout the contract, WSP utilized innovative access techniques to eliminate or reduce the need for costly traffic control, including the use of technical climbing techniques, rope access, and novel aerial lift equipment (bucket boats).

WSP has also completed over two-hundred load ratings. Load ratings were performed based on the 2020 TxDOT Load Rating Guide and AASHTO Manual for Bridge Evaluation, 3rd Edition. The load rating software used was AASHTO BrR (Version 6.8.4 and 7.0). The Inspections and load ratings have included reinforced concrete slabs, steel floor system superstructures, steel rolled and plate girders, and prestressed concrete girders for simple and continuous spans. Under this contract, TxDOT requested WSP's assistance to perform load testing of 14 culverts and systematic program to extrapolate the data obtained to provide a method of load posting avoidance across the entire inventory of 14,000+ culverts. WSP also assisted with emergency post-Hurricane Harvey bridge inspections in the Houston area. As a testament to WSP's depth of available qualified resources, 8 inspection teams were quickly mobilized to perform these emergency assessments; WSP completed 340 post-hurricane emergency assessments in 1 week.

Staff to be used in this proposal: Michael Craig; Matt Sullivan; Casey Howard; William Mitchell

Firm name	Burgess & Niple, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Complex Bridge Rating (On-System Trusses & Other Complex Bridges)	Firm responsibility (prime or sub?)	Sub
Project number	Contract No. 4400023510	Owner's name	LADOTD
Project location	Various Locations, Louisiana	Owner's Project Manager	Stephanie Doolittle, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA (225) 379-1329, Stephanie.Doolittle@la.gov		
Services commenced by this firm (mm/yy)	08/23	Total consultant contract cost ($1,000's)	$5,000+/-
Services completed by this firm (mm/yy)	ongoing	Cost of consultant services provided by this firm ($1,000's)	$400

B&N's role, as part of SDR's team, included hands-on fracture critical/ Non-Redundant Steel Tension (NSTM), and in-depth inspections of multiple On-System trusses, including the main spans of LA-3213 Veterans Memorial Bridge (Grammercy), LA-27 Gibbstown Intercoastal Waterway, I-20 over the Mississippi in Vicksburg, MS and US-79 Texas St. Bridge in Shreveport, LA. Specialized, adapted rope access techniques were utilized in the field to minimize the excessive need for costly, time-consuming mechanical access and traffic control. Accurate and detailed field notes were developed for all primary truss members and gusset plates. Tablets (iPads) and digitized notes were utilized to add efficiencies to and streamline all phases of the project – mobilization, field work, and reporting. Detailed measurements of section loss, deterioration, misaligned members, and other significant deficiencies were obtained.

Staff to be used in this proposal: Edward Cinadr, Brendan Prendeville, MIchael Kronander, Drew Appler

Firm name	Burgess & Niple, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Oklahoma DOT On-System Truss & FC Bridge Inspections	Firm responsibility (prime or sub?)	Prime
Project number	CI-2416	Owner's name	Oklahoma DOT
Project location	Statewide, Oklahoma	Owner's Project Manager	Wes Kellogg, PE
Owner's address, phone, email	200 NE 21st Street, Oklahoma City, OK 73105, 405.522.4819, wkellogg@odot.org		
Services commenced by this firm (mm/yy)	04/23	Total consultant contract cost ($1,000's)	$1,122
Services completed by this firm (mm/yy)	ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,122

This project includes NBIS FC, Routine, and In-Depth bridge inspections of 42 steel truss and girder bridge structures located throughout the state, including many major river crossings. Tasks on each structure include inspecting FC members at arm's length with industrial rope access and modified fall protection techniques and beam rolling of floorbeams to access FC members and fatigue prone details. Bridges are inspected at a range in which cracks, section loss, and loose or missing bolts or rivets can be identified in steel members and cracks larger than hairline can be identified in concrete components. Bearings and bearing seats are accessed at arm's length distance. An in-depth narrative for each bridge containing observed conditions, repair recommendations, and condition photographs is developed in addition to BrM database reports. Magnetic Particle, Dye Penetrant, and/or UT measurements are performed to define the limits of any cracking and very accurately measure significant section loss and other deterioration that affects member capacity. Drones/UAV's are also utilized to augment inspection capabilities.

Staff to be used in this proposal: Edward Cinadr, Brendan Prendeville, MIchael Kronander, Drew Appler

Firm name	ECM Consultants, Inc.	Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Crescent City Connection Division - Annual Bridge Inspection	Firm responsibility (prime or sub?)	Sub
Project number	S.P. No. 700-99-0405	Owner's name	LADOTD
Project location	Orleans Parish, LA	Owner's Project Manager	Rick Skoien, P.E.
Owner's address, phone, email	1440 US Hwy 90, Bridge City, LA 70094, 504-437-3210, Richard.skoien@la.gov		
Services commenced by this firm (mm/yy)	07/07	Total consultant contract cost ($1,000's)	$540
Services completed by this firm (mm/yy)	10/08	Cost of consultant services provided by this firm ($1,000's)	$208

ECM provided annual bridge and facility inspection services and report preparation support in accordance with National Bridge Inspection Standards (NBIS) for this Cantilever Truss Bridge couplet over the Mississippi River. The east bound bridge was built in 1958 and the west bound bridge was built in 1988. The main span is 1575 ft. and is the 5th longest in the world. The project scope included inspection the following: structural inspection of the Main Bridge both east and westbound structures including approaches and ferry facilities, pontoons, mooring, toll facilities, roadways, striping, drainage, signages, pedestrian bridges, pump station, as well as various buildings of CCCD-owned facilities in Jefferson, Orleans, and St. Bernard Parishes.

Bridge inspection work included inspection of the all superstructure elements such as main steel trusses and connections, girders, columns, concrete deck, joints, pedestals, bearings including support bents, pads, anchor bolts, ramp structures, roadways and signage etc. Physical inspection also included in-depth paint/coating inspection by ECM's NACE certified inspectors. ECM inspectors used aerial boom and scissor lifts for inspections. The annual inspection reports for bridge and facility was prepared conforming to LADOTD requirements and included excel listing all deficiencies with remediation recommendations. ECM coordinated with the CCCD for traffic control plans and lane and shoulder closures during inspection periods.

A report was prepared each year during the biennial inspection detailing specific findings of the inspection, recommendations for repair or maintenance, and a detailed listing of all defects that extended the current established defect listing.

Staff to be used in this proposal: Ujjal DasGupta, P.E., Larry Langenstein, P.E., Emilio Rodriguez

Firm name	ECM Consultants, Inc.	Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	I-10 Calcasieu River Bridge Repairs	Firm responsibility (prime or sub?)	Prime
Project number	S.P. H.003203.6	Owner's name	LADOTD
Project location	Calcasieu Parish, LA	Owner's Project Manager	Don Duberville, P.E.
Owner's address, phone, email	5827 Hwy 90 East, Lake Charles, LA 70615; 337-437-9260; Donald.duberville@la.gov		
Services commenced by this firm (mm/yy)	05/11	Total consultant contract cost ($1,000's)	$1,443
Services completed by this firm (mm/yy)	05/13	Cost of consultant services provided by this firm ($1,000's)	$1,233

ECM provided Construction Engineering and Inspection (CE&I) services for repairs to I-10 Calcasieu River Bridge located in Calcasieu Parish, Louisiana. This $7.8 million bridge repair project involved main truss connection repairs, saddle bearing repairs, cleaning and removal of lead-based paint, painting of truss connections, pin plate connection repairs, anchor bolt repairs, trestle bent connection repairs, deck joint repairs, replacement of many segments of historic bridge handrail in kind, repairs of the damaged bridge rails, and roadway pavement joint repairs.

In addition to construction inspection of this Calcasieu River Bridge Repairs, ECM also provided inspection for in depth assessment for all additional damaged items that were found damaged but not originally encountered during the preparation of repair plans and specifications. This included corrosion of rivets and bolts, corrosion of anchor bolts, cracked handrail posts, corrosion at main truss connections, corrosion at lateral bracing and shear keys of floor beams, corrosion of rocker bearings and spalling and cracking of concrete. An example of this, when pin connections were taken apart, it was discovered that the dimensions of the existing pin plate including hole sizes, locations of rivets and bolts did not match with the dimensions of the proposed pin plate shown on the plans. ECM inspectors measured and evaluated actual dimensions provided them to the Design Engineer recommendations and implemented this in the field to provide a solution when dimensions at any pin connections were found to be non-standard.

ECM's responsibilities also included coordination Coast Guard and LADOTD coordinator. The Coast Guard required strict compliance to make sure that no dust or debris fell in the river. Special precaution had to be taken to accomplish this.

For CE&I services ECM monitored if work to ascertain that all works are performed in accordance with the contract plans and specifications, Monitored contractor's safety compliance, prepared all inspection documentation and entered in the LADOTD Site Manager database, managed RFIs and change requests from contractor and prepared, deficiencies reports and simultaneously notified contractor and LADOTD for resolutions.

Staff to be used in this proposal: Ujjal DasGupta, P.E., Larry Langenstein, P.E., Emilio Rodriguez

Firm name	Collins Engineers, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Underwater Bridge Inspections (SB20170817)	Firm responsibility (prime or sub?)	Prime
Project number	46369	Owner's name	Virginia Department of Transportation
Project location	Statewide, Virginia	Owner's Project Manager	Brett Frazer, PE
Owner's address, phone, email	1401 East Broad Street, Richmond, VA 23219 / 302.371.2734 / Brett.Frazer@vdot.virginia.gov		
Services commenced by this firm (mm/yy)	04/18	Total consultant contract cost ($1,000's)	$3,027
Services completed by this firm (mm/yy)	08/22	Cost of consultant services provided by this firm ($1,000's)	$1,515

Collins Engineers, Inc. (Collins), as a prime consultant, was retained to inspect bridges underwater in all 9 Districts within Virginia. To date, underwater bridge inspections have been performed on 269 bridges and culverts. Bridges ranged in size from simple span structures over stream crossings to large moveable structures crossing large bodies of water and included routine, in-depth, and emergency inspections.

The inspections included all submerged portions of the substructure and foundation bridge elements within the waterway from the waterline to the mudline. Collins performed Level I inspections on 100% of all inspected elements, Level II inspections on 10% of the inspected elements, and Level III inspections, as needed. Non-destructive testing was conducted on steel piles using an ultrasonic thickness gauge to determine section losses resulting from corrosion and on timber piles using corings to determine the presence and extent of deterioration resulting from wood borer (teredo) infestation. Soundings were taken with a continuous recording fathometer to depict the stream bottom along the centerline of the bridge and to depict any evidence of scour around the substructure elements both upstream and downstream. Acoustic imaging was performed on larger structures to obtain a comprehensive view of the substructure units and surrounding channel bottom. Before mobilizing, Collins developed a Bridge Underwater Inspection Plan, dive plan, and job hazard analysis for each bridge inspection. Following completion of the field inspections, Collins prepared a Bridge Underwater Inspection Report for each structure, including bridge inventory information, inspection findings, prioritized repair recommendations, scour assessment, drawings, above-water and underwater photographs, and NBIS condition ratings.

Diving operations were completed in accordance with ADCI Consensus Standards and OSHA regulations 29 CFR Part 1910, Subpart T-Commercial Diving Operations. A combination of commercial scuba and surface-supplied air diving equipment was used. All project operations were completed in accordance with VDOT's IIM-S&B-27.8, NBIS 23 CFR 650 Subpart C, the FHWA Bridge Inspector's Reference Manual, FHWA's "Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation's Bridges," AASHTO's Manual for Bridge Element Inspection, and all other applicable FHWA, federal, state, and local regulations and specifications.

Staff to be used in this proposal: Beau Kamrath, PE; Matthew Rogers, PE, CWI' Russell Richard, EI; Andrew Baldwin, EI; Taylor Arnold, EI; Caroline Knapp, EI; Callen Papineau, EI; Jackson Kidd, EI; Micheal Delveaux

Firm name	Collins Engineers, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Above-water and Underwater Inspection and Load Rating of Bridge and Tunnel Structures	Firm responsibility (prime or sub?)	Prime
Project number	DTFH7117D00003L	Owner's name	Federal Highway Administration - Eastern Federal Lands Highway Division
Project location	Nationwide	Owner's Project Manager	Marcus Miller, PE
Owner's address, phone, email	Quantum Park, 22001 Loudoun County Parkway, Suite E2-3-300, Ashburn, VA 20147 703.404.6252 / Marcus.Miller@fhwa.dot.gov		
Services commenced by this firm (mm/yy)	05/18	Total consultant contract cost ($1,000's)	$5,653
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm ($1,000's)	$4,910

Collins Engineers, Inc. (Collins), as a prime consultant, was retained to perform above-water and underwater inspections, load ratings, and scour assessments of bridges and tunnels. Many structures were inspected under the contract, including bridges having configurations of single and continuous span, multibeam, girders, box beams, frames, slabs, trusses, suspension, arches, and culverts. In addition, several tunnels have been inspected. The materials inspected have included concrete, reinforced concrete, prestressed concrete, masonry, steel, and timber. Under the current contract, Collins performed 1,025 bridge and tunnel inspections, including 65 underwater inspections.

Collins performed varying types inspections, including routine, fracture-critical, initial, in-depth, and element-level throughout multiple national parks, including the National Capital Region (NCR) and Baltimore-Washington Parkway, Veteran Health Administration (VHA) facilities, National Cemetery Association (NCA), Department of Defense (DoD) facilities, and national forests. The inspections included the substructure, superstructure, deck, and traffic and safety features for each structure and identified any structural and functional deficiencies. The inspection procedures conformed to the requirements of the AASHTO Manual for Bridge Element Inspection; 23 CFR 650 Subpart C, NBIS, and Federal Lands Highway Division (FLH) Policies.

Collins performed the routine underwater inspection at 24 facilities throughout the National Park Service (NPS) system and multiple Department of Defense (DoD) facilities. The inspections consisted of a Level I inspection of all substructure units within the waterway from the high-water mark to the mudline, with Level II inspections performed on 10% of the substructure units, and soundings around each inspected substructure unit. Due to the various size and remote and non-remote locations of the bridges, a combination of commercial scuba and surface-supplied air diving equipment was used.

Staff to be used in this proposal: Beau Kamrath, PE; Matthew Rogers, PE, CWI' Russell Richard, EI; Andrew Baldwin, EI; Taylor Arnold, EI; Caroline Knapp, EI; Callen Papineau, EI; Jackson Kidd, EI; Micheal Delveaux

Firm name	KPFF, Inc. dba KPFF Consulting Engineers	Past Performance Evaluation Discipline(s)*	Bridge
Project name	In-depth Stay Cable Inspection and Replacement Design for the Hale Boggs Bridge	Firm responsibility (prime or sub?)	Prime
Project number		Owner's name	LADOTD
Project location	Luling, LA	Owner's Project Manager	Paul Fossier
Owner's address, phone, email	1201 Capitol Access Road, 6th floor; Baton Rouge, LA 70802; (225) 379-1438; Paul.fossier@la.gov		
Services commenced by this firm (mm/yy)	03/09	Total consultant contract cost ($1,000's)	1,000
Services completed by this firm (mm/yy)	09/11	Cost of consultant services provided by this firm ($1,000's)	500

KPFF professionals led a team and successfully completed the in-depth inspection effort for a 1,230-foot-span cable-stayed bridge across the Mississippi River. The inspection included hands-on inspection of main span superstructure encompassing twin trapezoidal steel box girders, orthotropic steel deck, supporting steel towers, and the stay cable array. Work included development of approach, including inspection methods and scope, access methods, maintenance of traffic, and an extensive NDT program for steel superstructure and stay cables.

Detailed inspection and nondestructive testing revealed that the condition of 39 out of the bridge's 72 cables was questionable, with multiple cables requiring substantial repair or replacement. The stay cables were comprised of a cement-grouted, ¼-in diameter parallel wire system. Several strategies involving a range of repair and replacement options were evaluated, using life cycle cost analysis. It was concluded that replacing all cables presented the best value among evaluated alternatives. The design of the complete 72-cable array replacement is the first occasion on which this process was attempted in North America. The final design of the replacement cables was heavily influenced by the geometric restrictions of the existing anchorage locations. The replacement cables are designed for a 75-year design life and incorporate the advancements made in corrosion protection and vibration control since the original design of the bridge. Maintenance of traffic design was an essential part of the project, since I-310 is a critical regional link and hurricane evacuation route in the State of Louisiana. Traffic maintenance during cable replacement was designed to be as unobtrusive to the public and commerce as practical – the cable replacement was staged to occur with minimal lane closures. A stay cable replacement construction contract totaling $31,000,000 was awarded in 2009, and was completed in 2011.

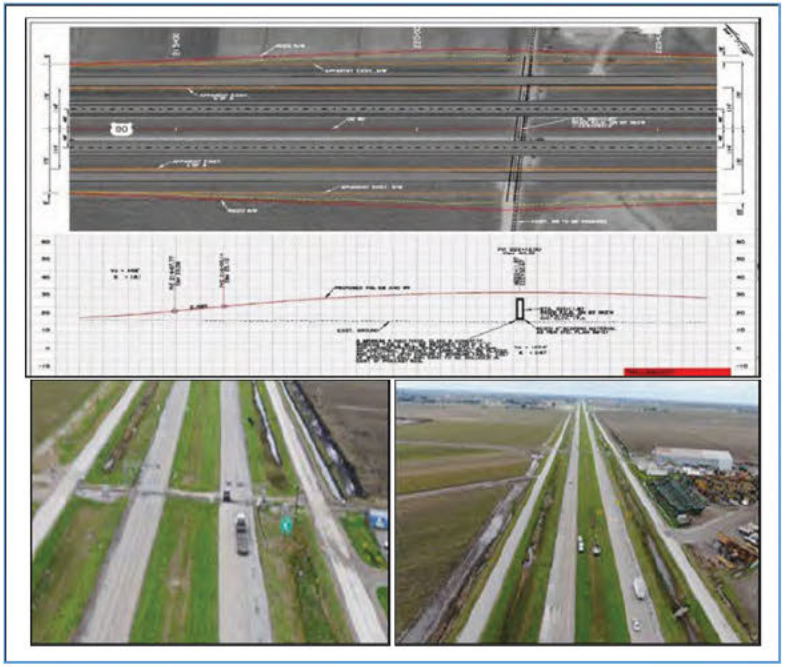
Firm name	KPFF, Inc. dba KPFF Consulting Engineers	Past Performance Evaluation Discipline(s)*	Bridge
Project name	In-depth Inspection, Testing, and Rehabilitation Plan Development of KYTC William H. Natcher and William H. Harsha Cable Stay Bridges	Firm responsibility (prime or sub?)	Sub
Project number	n/a	Owner's name	Kentucky State DOT
Project location	Owensboro and Maysville, KY	Owner's Project Manager	Daryl Greer, PE
Owner's address, phone, email	Kentucky Transportation Cabinet, Division of Maintenance, Bridge Preservation Branch, 200 Mero Street, Frankfort, KY 40622; (502) 564-4556; Daryl.Greer@ky.gov		
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)	n/a
Services completed by this firm (mm/yy)	10/23	Cost of consultant services provided by this firm ($1,000's)	196

In 2022, KPFF was a subconsultant on a team that provided in-depth inspection and testing of the stay cable systems on both the Natcher (Owensboro) and Harsha (Maysville) Cable Stay Bridges for the Kentucky Transportation Cabinet. Both cable-stayed structures were constructed in the early 2000's and have similar stay cable system details. Both structures currently exhibit extensive cracking of the HDPE cable sheathing pipes and interior grout, allowing the ingress of moisture and contaminants, raising concerns for potential corrosion within the cables. KPFF provided visual inspection of cable anchorages, vibration-based force measurements, ultrasonic testing (UT) of strand tails at select lower and upper anchors and laboratory analysis of the grease, grout and water samples obtained from the stay cable anchorages. KPFF was also involved in a 2012 inspection of the Natcher Bridge, providing ultrasonic testing of all 96 deck-level anchorages. The data collected by the Team was used to develop recommendations to address cable deficiencies.

Firm name	A P S Engineering and Testing, LLC	Past Performance Evaluation Discipline(s)*	** Geotech
Project name	US-90 Railroad Overpass (S. East of LA-85)	Firm responsibility (prime or sub?)	Sub
Project number	H.010155	Owner's name	Shread-Kurykendall & Associates, Inc
Project location	Iberia Parish, LA	Owner's Project Manager	Nicci D. Gill
Owner's address, phone, email	13016 Justice Ave., Baton Rouge, LA 70816/ 225-296-1335/ ngill@skanger.com		
Services commenced by this firm (mm/yy)	11/19	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm ($1,000's)	$105K

Geotechnical investigation to provide the client with necessary information for planning and design of a 12ft. X 12ft. RCB, 412ft. in length. A P S drilled a total of twelve (12) borings to a depth of 120ft. each. Undisturbed samples were continuously obtained from the ground surface to a depth of twenty (20) feet and at five (5) feet centers thereafter. A laboratory testing program was conducted to determine pertinent engineering characteristics of the subsurface material. This program included visual description and classification, determination of moisture content, liquid limit, plastic limit and plasticity, unconsolidated-undrained triaxial compression, and one-dimensional consolidation. Geotechnical analysis also included MSE was embankment settlement, stability analysis, pile capacity analysis, design, and general construction recommendations.

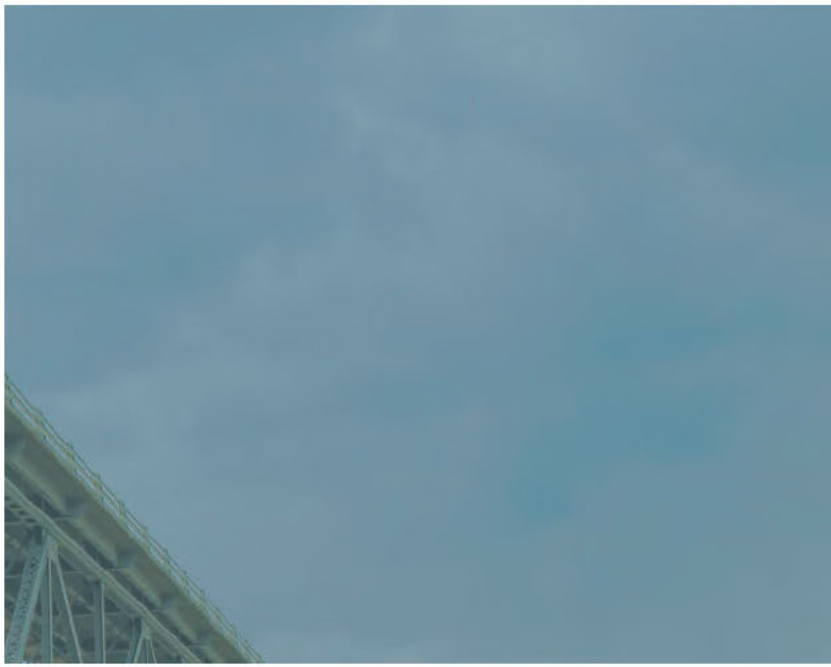
Staff to be used in this proposal: Sergio Aviles, P.E., Sai Eddanapudi, M.E., P.E., Surendra Raj Pathak, M.S., P.E.



SECTION 18

APPROACH & METHODOLOGY

VOLKERT



18. Approach and Methodology:

Introduction

Volkert is celebrating its 100-year anniversary next year and we are thankful that for over half of that time we have provided significant services to the Department. We believe that our attention to client satisfaction, quality control and high level of project performance contribute to our longevity and client retention.

Volkert's engineers and bridge inspectors have acquired their valuable experience by inspecting simple and complex bridge structures both above and below water and have designed and analyzed many of the bridge types that are anticipated to be in this contract. Our bridge staff is experienced, with many having more than twenty years of hands on experience and some with thirty years of experience. A thorough inspection and recording of a bridge requires a clear understanding of several of the nation's laws and required regulations. An in-depth knowledge of the National Bridge Inspection Standards (NBIS), the understanding of the implementation of The Specifications for the National Bridge Inventory (SNBI), Non-redundant steel tension members (NSTM) and bridges venerable to scour is vital to accomplishing this task in complete compliance.

Project Understanding

The Volkert team understands the scope of this bridge inspection IDIQ contract and that it encompasses the NBIS level inspection of diverse bridge types which may include unique structures such as Movable Bridges, Cable-stay bridges, Curved Steel Girders, posttensioned Box Girders and Segmental Bridges. The most frequent structure types will include prestressed concrete girder and slab spans. We have a unique geographical advantage by having multiple established offices in Louisiana with experienced personnel throughout the state. With offices in Baton Rouge, New Orleans, Mandeville, Monroe and Shreveport we have expeditious access to bridges around the state and can be in direct communication with local LADOTD engineers and elected officials. Our extensive experience with NBIS bridge inspection process, LRFR load rating and LRFD bridge design combined with the expertise of our other team members enables our team to deliver any of the tasks that are anticipated under this contract. Volkert's close and unique relationship with LADOTD, which has been established over many years of working on numerous and significant projects, has prepared us to work with LADOTD seamlessly as one organization. Projects such as the reconstruction of I-10 bridge over Lake Pontchartrain post Hurricane Katrina, our multiple Owner Verification Team (OVT) contracts on critical projects such as I-10 College Dr. Flyover in Baton Rouge, replacing the Belle Chasse Movable Bridge and Tunnel in Belle Chasse and the I-20 Interchange at Barksdale Airport in Shreveport are a few to mention, many which have received awards for the LADOTD-Volkert Contractor team.

Our Team

The Volkert team is comprised of industry leading pioneering firms that will work flawlessly together as one unit. We have put together a team of professionals that will provide the LADOTD with the greatest value and that has the work force to prioritize this contract and get the job done efficiently, safely, and cost effectively while utilizing the newest and most state-of-the-art technologies available to inspect and analyze the LADOTD's assets while focusing on minimizing any hardship to the traveling public. Safety of our team and the traveling public is in the forefront of this team's culture.

COLLINS ENGINEERS (Collins) is in the forefront leading 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). They 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. 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. Collectively, the Collins team as successfully completed over 15,700 underwater bridge inspections in every conceivable environment, including deep reservoir lakes, fast current rivers, and remote locations. Additionally, Collins has committed providing their expert staff that 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. 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.

BURGESS & NIPLE (B&N) is well known to the LADOTD with a proven track record of success and Volkert welcomes their 50+ years of bridge inspection experience to be an integral part of our team. Nearly every B&N inspection engineer and technician holds SPRAT certifications, including four Level III Technicians and a total of 26 SPRAT-certified personnel. Their inspectors have extensive experience utilizing climbing techniques as well as mechanical access, sometimes in conjunction with each other to most efficiently reach all components of a bridge. These intersecting skillsets combined with their deep bench of inspection personnel provide us ample capacity and flexibility to assemble the ideal team for any bridge inspection. B&N has committed their full team to this contract. B&N engineer

inspectors have a wide breadth of experience on major structure types and take pride in determining causes of deficiencies, not just reporting found conditions, to assure repair/rehab recommendations address the root cause, not just the symptoms. Occasionally, when a critical finding is identified, a single picture and thorough description do not provide the level of detail necessary for staff to fully understand the context of the issue. B&N is a leading firm in the creation of 3D models of problematic details and creating Digital Twin models. This makes them an ideal partner for our team as the LADOTD evaluates the use and implementation of Digital Twins for their complex bridge structures. With their worldwide footprint, B&N is constantly evaluating the latest modeling technologies and implementation of Artificial Intelligence (AI) to help improve their processes and evaluate data. Key guidance from a partner in the know will allow LADOTD to properly implement the best technologies throughout their inventory.

MARINE SOLUTIONS, INC (MSI) has committed to providing the team with 11 of their most knowledgeable experts in the field of bridge inspection, augmenting the team as a whole with industry leading ADCI engineer divers and multiple professionals versed in specialized rope access techniques, including multiple SPRAT Level III Supervisors, that have a vast knowledge of inspection of NTSMs. MSIs quality process is proven and carries the reputation of consistent outstanding performance to local, state, and federal governmental entities. As examples, Marine Solutions has been repeatedly selected for bridge inspection services by the Kentucky DOT, Tennessee DOT, Virginia DOT, Maryland State Highway Administration, Maryland Transportation Authority, Delaware DOT, U.S. Navy, CSXT Railroad, and Norfolk Southern Railroad.

WSP has joined our team to supplement our experience with Mechanical and Electrical Engineers to assist in the inspection of any Movable Bridges presented by the LADOTD and design repairs. WSP has access to over 6,000 transportation employees in the southeast and has successfully completed over 7,000 bridge inspections, load ratings, and rehabilitation projects. Volkert and WSP have a successful track record of working diligently together with similar inspection projects around the country.

KPFF was added to our team for their distinctive expertise and collective accomplishment, with nationally recognized stay cable inspection, evaluation and repair experience. KPFF has been involved in the testing and evaluation of stay cable systems for over two decades, including serving as voting members of PTI committee DC-45. Over this period they have completed more than 35 cable-stayed bridge inspection and condition assessment projects nationwide, including work on both the **Hale Boggs Memorial and John James Audubon Bridges**. KPFF has an understanding of the vulnerabilities of cables and cable corrosion protection systems along with repair methodologies to extend cable service life. KPFF offers direct experience in design and durability of cable corrosion protection systems, applicable to the design of cable repairs and the design and installation of replacement cables.

FICKETT STRUCTURAL SOLUTIONS (Fickett) brings experience in Rope Access and NDEs to the Volkert team with multiple SPRAT Level III team members and an experienced NDE specialist. Fickett provides In-service Bridge Inspections of steel, timber, and concrete structures throughout the United States and used NDE and Partially destructive Evaluation (PDE) to augment their inspection capabilities.

KTA-TATOR (KTA) was added to our team for their expertise in Paint & Coating analysis and the teams NDE capabilities. KTA will handle all Paint & Coating evaluations required by this contract. KTA and Volkert have successfully worked together on prior projects for other state DOTs.

ECM CONSULTANTS (ECM) is a locally well-known firm, that speaks for itself, here in Louisiana and has successfully worked with and implemented many projects with LADOTD. Their expertise in bridge inspections and coating inspections will additionally strengthen the depth of our team to complete this project.

APS-TESTING (APS) will serve as the DBE for this project. Sergio Aviles, along with his team at APS are the Geotechnical experts added to our team to contribute to the design and analysis of any substructure deficiencies found during our NBIS element level inspections. Their vast local knowledge of Louisiana geomorphology and subsurface strata will play a key role in repair recommendations.

Every one of our Teaming partners has ample knowledge of OSHA safety standards, and SNBI Element Level and NTSM inspections in accordance with all FHWA and LADOTD manuals and guidance and are pioneers in the industry. This team has the experience, expertise, and capacity to deliver this work efficiently and at a very high level of quality. The combined experience, talent, and dedication of the Volkert team's complex bridge inspection staff will provide LADOTD with peace of mind that this work will be done well, consistently, on-time and efficiently.

Inspection Execution

Volkert conducts all client services in full compliance with their Internal document on Quality Management and has successfully incorporated all of LADOTD's internal quality control requirements throughout our successful track record of projects. Prior to each scheduled inspection, our teams will prepare and carefully review an inspection folder for each structure. Each folder shall contain all available data which usually includes a report tracking sheet, inspection plan, previous inspection reports with repair recommendations, addendums with deficiency photos, and the current load rating summary. Inspection methods would be reviewed to minimize any lane closure requirements during peak travel times and/or to maximize efficiency and safety to workers and public. We understand that it is LADOTD's desire to minimize adverse impact to traffic while conducting inspections, thus

the reason we will utilize technologies such as drones and specialized access techniques (Rope Access) to assist with our inspections. This will maximize cost savings and efficiency.

The Volkert Team includes licensed structural inspectors, and is supplemented with Mechanical, and Electrical Engineers for tasks 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 needed for the assets owned and managed by LADOTD and have provided a team of experts for inspection of all of them.

We use our in-house tracking database to ensure that the same lead CBI or PE does not conduct consecutive inspections. Aaron Immel, Volkert's Chief of Inspection Division and the Project Manager, conducts weekly safety meetings, emphasizing proper inspection procedures and discussing inspection issues/concerns. At each structure, the inspection team, with proper safety attire, will place temporary traffic control equipment as guided by the Traffic Control Supervisor 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 and InspectX in several states and with Eastern Federal Lands Highway Division (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 facilitates report accuracy. This is a time and cost saving step.

Structures with NSTMs may require special access equipment and non-destructive evaluation (NDE). Our crews are equipped with dye penetrant kits, ultrasonic thickness gauges, and magnetic particle test kits to properly detect any defects in the steel members. A structural engineer will review the NSTM plan to ensure that the NSTMs or components are correctly identified. Team Leaders will prepare for these inspections by diligently reviewing and understanding the NSTM data section of the previous report.

Emergency Response Plans/Critical Findings

Volkert has provided emergency inspections and analyses following bridge accidents 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 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 Chief of Bridge Inspection and 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, during an emergency response or findings of critical nature during a routine inspection, 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, the 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. On 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 been resolved to the satisfaction of LADOTD.

Rope Access and NDE

Collins, B&N, MSI, and KPFF 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 NSTMs inspection protocols. Inspection team leaders will be certified to perform NBI and element level bridge inspections, rope access inspections, NSTMs inspections, and certified to perform necessary NDE as needed to ascertain structural conditions of steel members. Our team has over access to over 50 NDE Level II and III inspectors available to perform ultrasonic testing (UT) inspections upon LADOTD request. Our team 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. Magnetic particle (MT) and liquid penetrant testing (PT) will be utilized as needed to identify and measure steel cracks.

To help minimize and in many cases completely negate the need for traffic control, our team has over 60 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. Collectively, our team has safely completed hundreds of bridge inspections using rope access techniques on bridges of all shapes and sizes, including cable-stayed, tied-arches, tall steel plate girder bridges, and trusses.

All technical access will be provided by staff in-house; our team will not need to hire outside technicians to assist with this service. Rope access inspections present unique safety challenges, such as preventing falls, rescue techniques, preventing objects falling on the roadway, working in adverse weather conditions, 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.

Together our team leads the industry in the implementation of NDE techniques and utilizing the most advanced technology. Together we have the capabilities to provide LADOTD with a full Digital Twin 3D model that will also encompass the substructure and channel bottom profile both upstream and downstream of the bridge structure.

Reporting

Inspection results will be documented per FHWA and LADOTD policies and procedures and will be stored in the LADOTD InspectX data management system. Reports will be thorough including defects and their possible root causes with sketches when needed, and cross-referenced with photographs properly labeled for the convenience of identification. Defects or deteriorations of critical nature will be reviewed by an experienced engineer and if needed will be shared with the LADOTD district officials in the most expeditious possible manner.

Design and Rehabilitation Capability

For design and rehabilitation of simple and most complex bridges, Volkert needs to reach out no further than its Louisiana offices bridge design engineers such as Jacob Parker, PE, Artur D'Andrea, PE, Hossein Ghara, PE, Steven Armstrong, PE, Ahmed Rageh, PHD, PE, and host of other bridge engineers in other Volkert regions. Our bridge design engineers have decades of design and plan delivery experience for new bridges and bridge rehabilitation, equipped with the knowledge of AASHTO LRFD and LADOTD bridge design specifications and manuals respectively and the LADOTD pre-approved design software and CAD conformed plan details.

Bridge Load Rating Capability

Volkert's Louisiana offices have experienced bridge load rating engineers for a wide variety of bridge types. Artur D'Andrea, PE, a former LADOTD Bridge Design Engineer, was an active member of the AASHTO Committee on Bridges and Structures, Technical Committee on Bridge Management, Evaluation and Rehabilitation (T-18) is uniquely experienced with the nuances of proper load rating of aging structures. Jacob Parker, PE, and Dr. Ahmed Rageh, PE, are among many of our experienced load rating engineers. Our Bridge Inspection Division under the leadership of Aaron Immel, PE, have several bridge inspection engineers who are experienced with load rating.

Communication

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 structural problem identified during an inspection. Volkert will notify the Volkert project manager and LADOTD staff of critical deficiencies that warrant immediate and traffic restrictions. Written notice of such deficiencies will be provided within 24 hours.

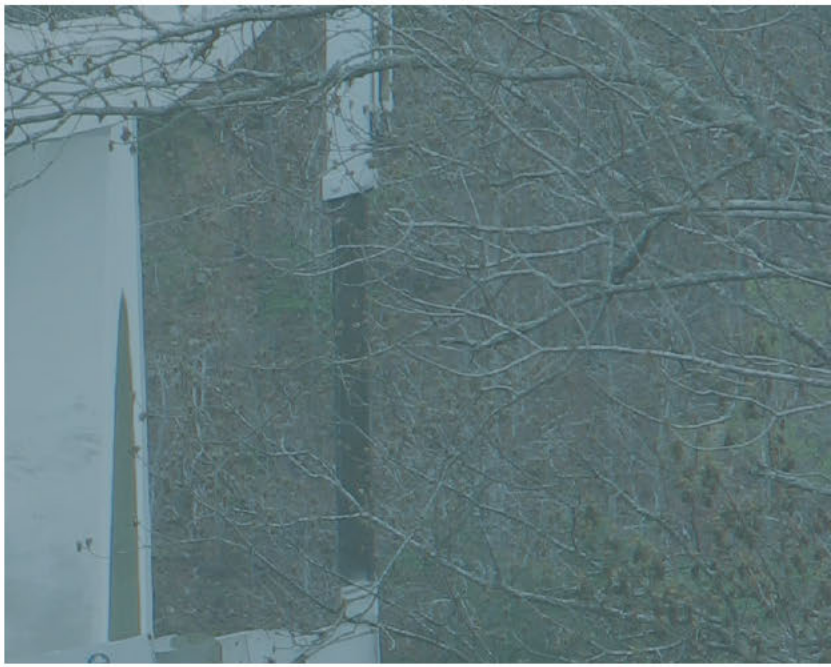
Example Schedule

Sample Task: IDIQ Contract Nos. 4400029683, 4400029684, 4400029685		Months											
ID	Task	1	2	3	4	5	6	7	8	9	10	11	12
1	TASK ORDER NTP & FEE NEGIOATIONS,												
2	DOCUMENT/PLAN COLLECTION/EXISTING INSP. REPORTS,												
3	NOTIFY SUB CONSULTANTS OF INSPECTION NEEDS,												
4	CREATE INSPECTION SCHEDULE AND TRAFFIC CONTROL PLANS,												
5	CREATE SAFETY DOCUMENTS IN PREPARATION OF FIELD WORK,												
6	NOTIFY AND/OR MEET WITH LADOTD DIST. PERSONNEL - SITE VISIT,												
7*	CONDITION INSPECTION/COMPLEX STRUCTURES,			VARIES									
8	REPORTING - DRAFT INSPECTION REPORT DEVELOPMENT,												
9	REPORTING - CBI REVIEWS,												
10	REPORTING - IMPLEMENTING COMMENTS,												
11	QUALITY MANAGEMENT - IMPLEMENT QAQC PLAN,	Volkert QAQC Plan is Implented Throughout the Project Life											
12	SUBMIT DRAFT REPORT TO LADOTD FOR REVIEW,												
13	REPORTING - IMPLEMENT LADOTD COMMENTS,												
14	REPORTING - FINAL REVIEW & SIGN OFF FINAL REPORT,												
15	REPORTING - INPUT DATA INTO INSPECTX DATABASE,												
16	REHAB-PRELIM DESIGN PLANS (60% 90% 100%),					VARIES							
17	LOAD RATING - REHAB-FINAL DESIGN PLANS (60% 90% 100%),							VARIES					
18	CONSTRUCTION SUPPORT									VARIES			

* At this stage any critical findings will be imediately reported to LADOTD

SECTION 19

WORKLOAD



19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by LADOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

1) one of the team's firms is responsible for the performance of the work;
2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
3) the work has not yet been performed and invoiced; and
4) the work is not currently suspended for an indefinite period of time.

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
Volkert, Inc.	Road	Contract No.44-5267 S.P. No. H.003074 & H.009087	Route I-10: Williams Blvd. to Veterans Blvd. & Loyola Drive to Williams Blvd. – Sub-consultant, Jefferson	$1,736
Volkert, Inc.	Road	Contract No. 44-5142 S.P. No. H.001309.5	MacArthur Blvd. Phase II Final Plans – Sub-Consultant, Jefferson Parish, LA	$77,678
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.01551.8	Ridge Road Over Castor Creek, Bienville Parish, LA	$122,275
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015520	Collinsburg Creek over Collinsburg Creek, Bossier Parish, LA	$121,910
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H. 015522	Barnette Road over Trib to Walnut Bayou, Caddo Parish, LA	$72,308
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015524	Self Road Over Dooley Canal, Caddo Parish, LA	$76,711
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015525	Bailey Town Rd Over Little Corney Bayou, Claiborne Parish, LA	$118,025
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015527	Hinds Road Over Wallace Bayou, DeSoto Paish, LA	$122,875
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015528	Courtney Road Over Dry Creek, Red River Parish , LA	$80,801
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015529	Dorcheat Road Over Cow Branch, Webster Parish, LA	$125,400

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
Volkert, Inc.	Bridge	Contract No. 44-25024 S. P. No. H.015336	Marathon Road over Gray Creek, Webster Parish, LA	$121,050
Volkert, Inc.	Traffic	Contract No. 44-4787 S.P. No. H.009250	IMR I-10 Highland Road to LA 73, East Baton Rouge and Ascension Parishes, LA	$1,132,916
Volkert, Inc.	Survey	Contract No. 44-17068	Louisiana Watershed Initiative (LWI) Modeling Contract Region 3, Subconsultant -Work completed	$215,444
Volkert, Inc.	Survey	Contract No. 44-17068	IDIQ Contract for Louisiana Watershed Initative (LWI) Modeling Contract Region 2, Subconsultant, Task Order 1, 2 and 3	$211,808
Volkert, Inc.	Survey	Contract No. 44-17764 S.P. No. H.013284	IDIQ Contract for Engineering and Inspection Services of State Regulated Dams with Majority of Work in Districts 04,05.08 and 58, Statewide, Tasks Order 4 & 7	$70,028
Volkert, Inc.	Other (Procurement Services)	Contract No. 44-17328 S.P. No.H.015372	IDIQ Contract for Innovative Procurement Support Services, Statewide - No open task orders	No Open Task Orders
Volkert, Inc.	CEGI/OV	Contract No. 44-16173 S.P. No. H.003370	I-220/I-20 Interchange Improvements & Barksdale AFB Access, Bossier Parish, LA	$385,394
Volkert, Inc.	CEGI/OV	H.004791	LA 23: Belle Chasse Bridge and Tunnel Replacement (HBI) Plaquemines Parish, LA	$4,588,791
Volkert, Inc.	CEGI/OV	Contract No. 44-16980 H.013897	College Drive Flyover Ramp. I-10/I-12 West East Baton Rouge Parish, LA	$463,828
Volkert, Inc.	CEGI/OV	Contract No. 44-21740 H.004100.6	Phase I W. of Washington Street to Essen Lane (CEGI) Phase I Segment 01. W. of Washington Street to Acadian Thruway, Route I-18. East & West Baton Rouge Parishes, LA	$6,968,620
Volkert, Inc.	CEGI/OV	Contract No. 4400026587 S.P. No. H.001779.6	Jimmie Davis Bridge (LA 511) (HBI) (Owner Verfication Services) Route LA 511, Caddo and Bossier Parishes	$8,361,234
Volkert, Inc.	CEGI/OV	H.001234.6	LA 1 Port Allen Canal Bridge Replacement (Phase 1) (HBI) (CEGI), West Baton Rouge Parish, LA – Subconsultant	$279,385
Volkert, Inc.	CEGI/OV	H.007811.6, H.000710.6,H.002273.6, and H.001352.6	Comite Diversion Canal CEGI and Utility Relocation, East Baton Rouge Parish, LA – Subconsultant	$214,108

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
Volkert, Inc.	CE&I/OV	Contract No. 44-19950, H.002868.6	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CE&I) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 4 – I-49 S Ambassador Caffery/US 90 Interchange, St. Martin & Lafayette Parishes– Sub- consultant	$336,820
Volkert, Inc.	CE&I/OV	Contract No. 44-19950, H.013265.6	Retainer Contract 44-19950 IDIQ Contract for Construction Engineering and Inspection Services (CE&I) Statewide with Majority in District 03 Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Mart, St. Mary, and Vermilion Parishes – Task Order 5 – US 90 LA 14 - LA 83, Iberia Parish – Sub- consultant	$33,639
Volkert, Inc.	CE&I/OV	H.008145.6	LA 1: Leeville to Golden Meadow Phase 2 (CE&I) & SA 1 Fabrication Lafourche Parish (Subconsultant to ECM)	$6,019,437
Volkert, Inc.	CE&I/OV	H.011965.6	LA 47: IWGO Bridge Replacement (HBI) (CE&I), Orleans Parish -Subconsultant	$339,625
Volkert, Inc.	CE&I/OV	H.009498.6	Retainer Contract 44-26334 IDIQ Contract for Precast Prestress Concrete Fabrication Inspection, Task Order 1 LA 121 Calcasieu River Bridge Fabrication, Rapides Parish	$31,351
Volkert, Inc.	CE&I/OV	H.002868.6	Retainer Contract 44-26334 IDIQ Contract for Precast Prestress Concrete Fabrication Inspection, Task Order 3 Fabrication, I-49 S Ambassador Caffery US 90 Interchange, Lafayette Parish	$135,228
Volkert, Inc.	CE&I/OV	H.011808.6	Retainer Contract 44-26334 IDIQ Contract for Precast Prestress Concrete Fabrication Inspection, Task Order 4 Fabrication, LA 10: Palmetto Company Canal Br	$96,875
Fickett Structural Solutions, Inc.	n/a	n/a	n/a	n/a
KTA-Tator, Inc.	Bridge	Contract No. 4400021514 State Project Nos. H.012003, H.011995, H.010007, H.012568, and H.012000	Contract 2 for Moveable Bridges (5)	No active task orders
KTA-Tator, Inc.	Bridge	Contract No. 4400023511	IDIQ Contract for Bridge Inspection Services	$2,493
WSP USA Inc.	Bridge	4400004763 / H.010253.5 Supplement No.3	Electrical & Mechanical C. & MECH. ENG. ON CALL T09	$109,387
WSP USA Inc.	Planning	4400017327 / H.003931.5	LADOTD P3 Advisory Services On-Call T02	$40,552
WSP USA Inc.	Planning	4400017327 / H.003931.5	LADOTD P3 Advisory Services On-Call T02	$884,763

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
Burgess & Niple	Bridge	4400023510 / H.009730.5	Complex Bridge Rating (on-System Trusses and other Complex Bridges)	$124,228
ECM	Other/CQCM	Contract # BC-PSA 05, S.P. # H.0044791	Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project	$723,870
ECM	CE&I/OV	Contract# 4400019872 H.012682.6	IDIQ CE&I for Safety Projects Statewide with Majority of Work in District 03, 07, and 08 (Pedestrian Crosswalk Enh [NO PH2])	$7,587
ECM	CE&I/OV	Contract# 4400019872 H.013770..6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 (LRSP Signing and Striping - Iberia)	$12,777
ECM	CE&I/OV	Contract# 4400019872 H.009298.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 (Town of Oberlin Sidewalks – Allen Parish)	$147,324
ECM	CE&I/OV	Contract# 4400019872 H.013083.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 (Jefferson Island Sidewalk – Iberia Parish)	$99,282
ECM	CE&I/OV	Contract# 4400019951 H.011781.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 (LA675 & LA 87 IMP, in New iberia (RT))	$1,230,954
ECM	CE&I/OV	Contract# 4400020842 Task Order 4	IDIQ Contract for Engineering & Inspection of State Regulated Dams with Majority of work in District 03,07,6 & 62 Statewide (Dam Safety South Louisiana)	$186,849
ECM	CE&I/OV	Contract# 4400021680 H.008145.6	LADOTD LA1 Leeville to Golden Meadow	$3,243,632
ECM	CE&I/OV	Contract# 4400026101 H.011767	LADOTD Contract for Engineering & Inspection District 61 (Bayou Crab Road Bridge)	$20,000
ECM	CE&I/OV	Contract# 4400023838 H.013751.6	IDIQ CE&I Services for Safety Projects (Downtown Greenway La Connector BR East Baton Rouge Parish)	$9,725
ECM	CE&I/OV	Contract# 4400023838 H013094.6	IDIQ CE7I Services for Safety Projects (Broad St – Read Blvd Ped Improvements – Orleans Parish)	$665,058
ECM	CE&I/OV	Contract# 4400025845 H.013025.6	CE&I Engineering & Inspection Univ AV PH1:100' S RR-500' S I-10 EB RMP (University Avenue/Lafayette Parish)	$1,439,445
ECM	CE&I/OV	Contract#4400027364 H003184.6	IDIQ CE&I Services District 07	$1,263,088

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
Collins Engineers	n/a	n/a	n/a	n/a
KPFF, Inc. dba KPFF Consulting Engineers	n/a	n/a	n/a	n/a
Marine Solutions	n/a	n/a	n/a	n/a
APS Engineering and Testing	Geotech	4400091011	Retainer Contract for Geotechnical Services	$121,200
APS Engineering and Testing	Geotech	4400017262/ H.012545	Wiggins Bayou Bridge	$1,185
APS Engineering and Testing	Geotech	4400091011/ H.015025.5	McLin Road Over Darling Creek	$13,365
APS Engineering and Testing	Geotech	4400091011/ H.014992.5	McHugh Road Over Brushy Bayou	$37,500

SECTION 20

CERTIFICATIONS/LICENSES

VOLKERT

20. Certifications/Licenses:

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

We have provided all professional registrations and certifications for any personnel fulfilling a MPR requirement along with lead bridge inspectors. Additional certifications for personnel will be available upon request.

We have also provided copies of the three (3) modules of the Traffic Engineering Process and Report Course offered by Louisiana Transportation Research Center (LTRC) for those staff perfoming traffic engineering services, as indicated on our organizational chart.

While not required for this submittal, we are prepared to provide LADOTD with any work zone training certifications that our staff hold if requested.

See attached.

Janet Evans, PE, MBA | MPR #1, 2

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

June 17, 2023

To Whom It May Concern,

This is to verify that the below listed employees of Volkert Inc. have successfully completed LADOTD required ATSSA Traffic Control Training.

ATSSA Traffic Control Technician Training – July 11, 2023- Janet Evans and Jessica Miles

ATSSA Traffic Control Supervisor Training – July 12-13, 2023 – Janet Evans and Jessica Miles

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

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

Best Regards,

Ken Naquin – LAGC Chief Executive Officer

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	Expiration Date
PE.0021307	09/30/2024

Status: Active

ATSSA American Traffic Safety Services Association

This is to affirm that

JANET EVANS

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 6/26/2023	**Debbie Purcella**
Exp. Date 6/26/2027	*Instructor Name*
State Issued LA	Debbie Purcella
	Instructor Signature

V0000215338 Verify at Flagger.com

Aaron Immel, PE, CBI, CTI, CFM | MPR #3

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

Mr. Aaron David Immel

License/Certificate Type - Number	Expiration Date
PE.0029153	03/31/2025

Status: Active

U.S. Department Of Transportation
Federal Highway Administration

NHI
NATIONAL HIGHWAY INSTITUTE

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
Hours of instruction: 80
Date: September 13-24, 2004

Instructor
Director, National Highway Institute
Federal Highway Administration

Coordinator
Director, Office of Professional Development
Federal Highway Administration

National Highway Institute

nhi 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

Digitally signed by Mark J. Nyerges
Date: 2021.05.20 11:48:27 -04'00'
Instructor

Finn K. Hubbard
2021.05.19 08:12:01 -05'00'
Instructor

Debra Rizzieri
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

National Highway Institute

Certificate of Training

Aaron Immel

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

Volkert, Inc.

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

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 — Coordinator

Director, National Highway Institute, Federal Highway Administration — 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 Successfully Completed

FHWA-NHI-130125 Tunnel Safety Inspection Refresher

hosted by

Alabama Department of Transportation

Date: July 19-21, 2022 *Hours of Instruction:* 15

Location: Mobile, AL

Instructor — Local Coordinator

Instructor — Thomas Harman, Director, National Highway Institute

U.S. Department Of Transportation
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 — Local Coordinator

Instructor — Richard Barnaby, Director, National Highway Institute

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

Certificate of Completion
Presented by

DENIZENS OF THE DEEP, DIVING COMPANY INC.

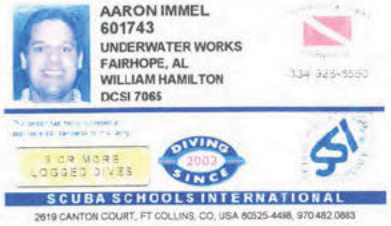
To

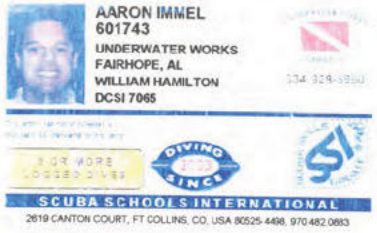
Aaron Immel

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

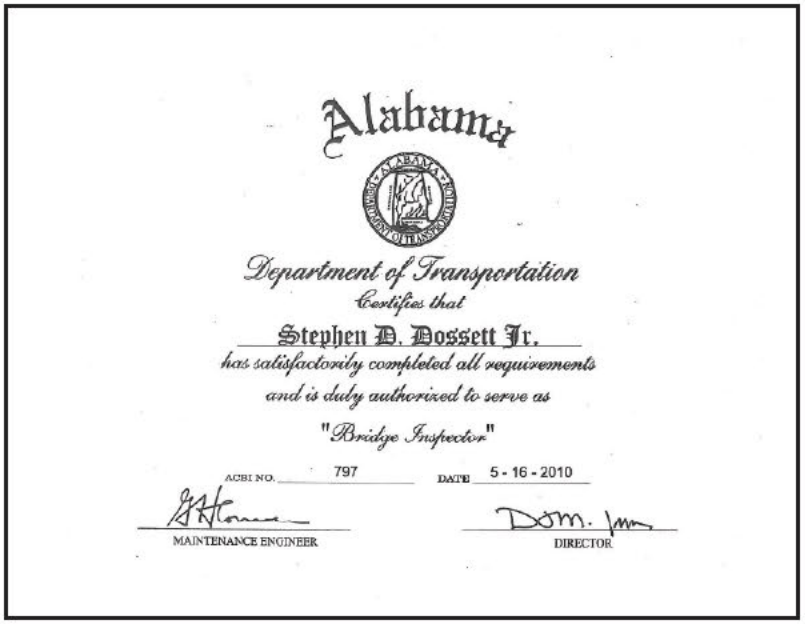
Shawn Woodward
Instructor, DIT
Instructor, IDEA #2468
Instructor, PSDA #461

Shawn R. Woodward
President





Stephen Dossett, PE, CBI, CTI | MPR #4



Alabama

Department of Transportation

Certifies that

Stephen D. Dossett Jr.

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

"Bridge Inspector"

ACBI NO. 797 DATE 5 - 16 - 2010

MAINTENANCE ENGINEER

DIRECTOR

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: PE.0038365

Expiration Date: 03/31/2025

Status: Active

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

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

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Stephen D. Dossett, Jr.

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

ALABAMA DEPARTMENT OF TRANSPORTATION

Date: January 25-27, 2010

Location: Mobile, Alabama

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

Stephen Dossett

Has completed the course requirements for the rating of:

Diver #: 604993
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 | EUFIISO #9001 Certified | www.tdisdi.com

Gulf Coast Divers

STEPHEN D. DOSSETT

Diver No. 15060W8746
BirthDate 31-Jan-1980
Cert.Date 31-May-2015
Instr.No. OWSI-327968
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

TDI

Qualified in the use of 22% to 40% nitrox to a maximum depth of 130 fsw/40 msw

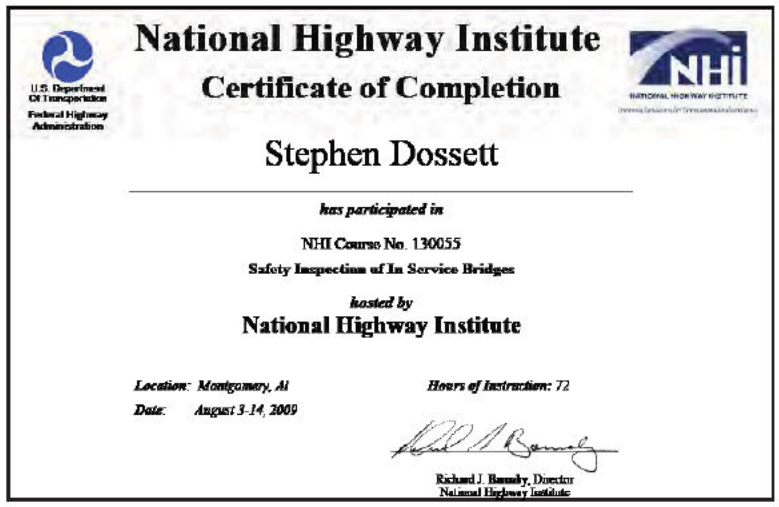
Diver #: 619276
Date: 2015-01-08

Nitrox Diver

Facility: Gulf Coast Divers
Mobile, Alabama United States
Inst: Lawren McCaghren Member #:1297
Asst: Lewis Philips Member # 1369

EUFIISO #9001 Certified | www.tdisdi.com

Gulf Coast Divers



U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Completion

NHI
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. Bamsky, Director
National Highway Institute

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

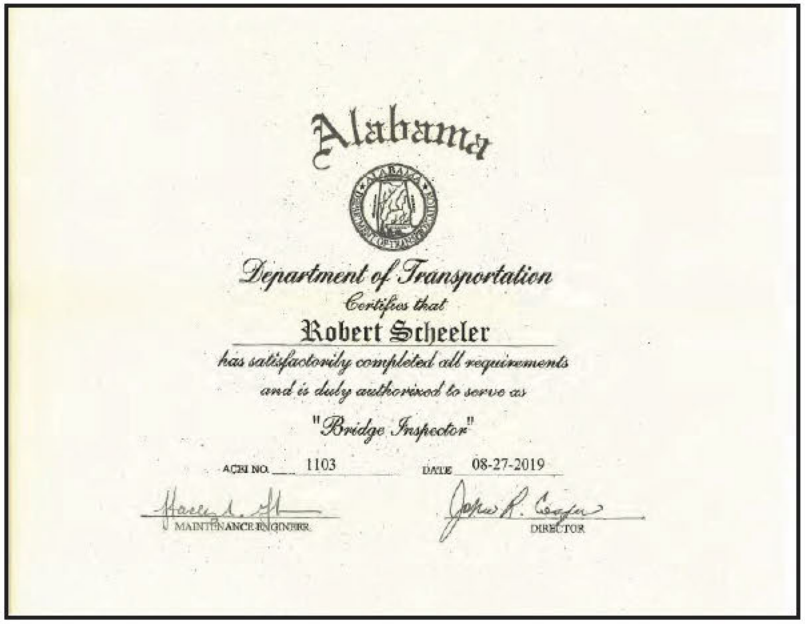
FHWA LRFR Implementation Webinar Series Topic No. 10:
Load Rating of Steel Truss Bridges (2)
2.5 Hours of Instruction

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

Robert Scheeler, PE, CBI, CTI | MPR #4



Alabama

Department of Transportation

Certifies that

Robert Scheeler

has satisfactorily completed all requirements

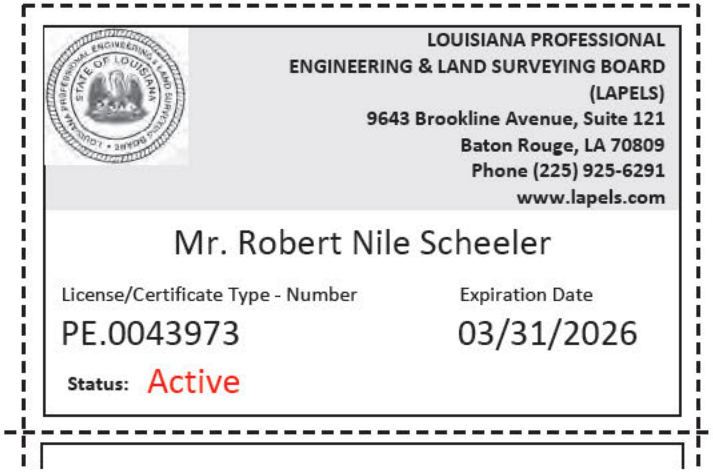
and is duly authorized to serve as

"Bridge Inspector"

ACN NO. 1103 DATE 08-27-2019

MAINTENANCE ENGINEER

DIRECTOR



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: PE.0043973

Expiration Date: 03/31/2026

Status: Active

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

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

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

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

Robert Scheeler

has Successfully Completed

FHWA-NHI-130125 Tunnel Safety Inspection Refresher

hosted by

Alabama Department of Transportation

Date: July 19-21, 2022
Location: Mobile, AL

Hours of Instruction: 15

Instructor

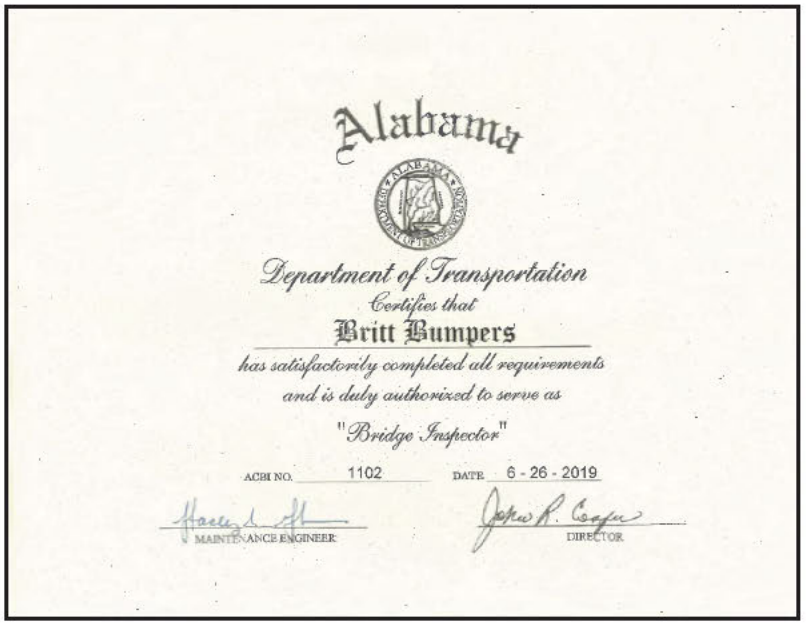
Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

Britt Bumpers, PE, CBI | MPR #5



Alabama

Department of Transportation

Certifies that

Britt Bumpers

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

"Bridge Inspector"

ACBI NO. 1102 DATE 6 - 26 - 2019

MAINTENANCE ENGINEER

DIRECTOR

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	09/30/2024

Status: Active

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Britt Bumpers

has participated in

130125 Tunnel Safety Inspection Refresher ILT

hosted by

MP Engineers

Date: April 6-8, 2022 *Hours of Instruction:* 17

Location: Online Delivery, NJ

Instructor

Instructor

Mahendra Patel
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

National Highway Institute

Certificate of Training

Britt Bumpers

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

AI Engineers

Date: March 30 - April 1, 2021

Location: Virtual Delivery, CT

Hours of Instruction: 18

Instructor

Instructor

Piya Hawkes
Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

National Highway Institute

Certificate of Training

Britt Bumpers

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

Date: January 23-27, 2017

Location: Mobile, AL

Hours of Instruction: 32

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

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

Location: Birmingham, AL

Hours of Instruction: 67

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

Steven Armstrong, PE, CBI, ADCI | MPR #9

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Steven Armstrong

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Kentucky Transportation Cabinet

Date: May 03-05, 2022
Location: Frankfort, KY
Hours of Instruction: 18

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

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

Mr. Steven Blake Armstrong

License/Certificate Type - Number	Expiration Date
PE.0044405	09/30/2024

Status: Active

Association of Diving Contractors International

Cert. # 62023

Expires 11/18/2025

ADCI

SURFACE-SUPPLIED AIR DIVER

STEVEN ARMSTRONG I.D. 4740

Commercial Diver Certification Card

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Steven Armstrong

has participated in

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

hosted by

Virginia Department of Transportation

Date: March 16-30, 2018
Location: Fredericksburg, Virginia
Hours of Instruction: 67 Hrs

Instructor
Local Coordinator
Instructor
Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Steven Armstrong

has participated in

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

hosted by

Kentucky Transportation Cabinet

Date: March 10-13, 2020
Location: Frankfort, KY

Hours of Instruction: 25

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

STEVEN ARMSTRONG

has participated in

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

hosted by

LA DOTD/LTRC

Date: October 22, 2018
Location: Baton Rouge, LA

Hours of Instruction: 6

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Steven Armstrong

has participated in

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

hosted by

Ohio Department of Transportation

Date: June 15-16, 2017
Location: Columbus, OH

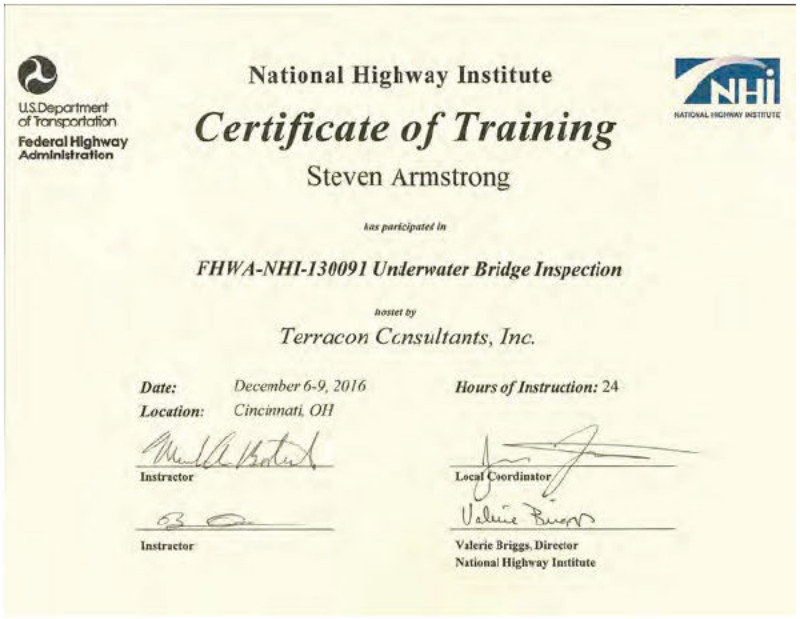
Hours of Instruction: 12

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Steven Armstrong

has participated in

FHWA-NHI-130091 Underwater Bridge Inspection

hosted by

Terracon Consultants, Inc.

Date: December 6-9, 2016
Location: Cincinnati, OH

Hours of Instruction: 24

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

ATSSA
American Traffic Safety Services Association

This is to affirm that

Steven Armstrong

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 7/28/2023 — ATSSA

Exp. Date 7/27/2027 — *Instructor Name*

State Issued LA — *Instructor Signature*

A1000129240 — Verify at Flagger.com

I UNITED STATES OF AMERICA XI

DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION

IV NAME
STEVEN BLAKE ARMSTRONG

V ADDRESS 3004 CANAAN PL
MANDEVILLE LA 70448-6300

VI NATIONALITY USA

SEX	HEIGHT	WEIGHT	HAIR	EYES
M	60	215	BROWN	BROWN

IVa D.O.B. 13 NOV 1990

IX HAS BEEN FOUND TO BE PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

II REMOTE PILOT

III CERTIFICATE NUMBER 4162104

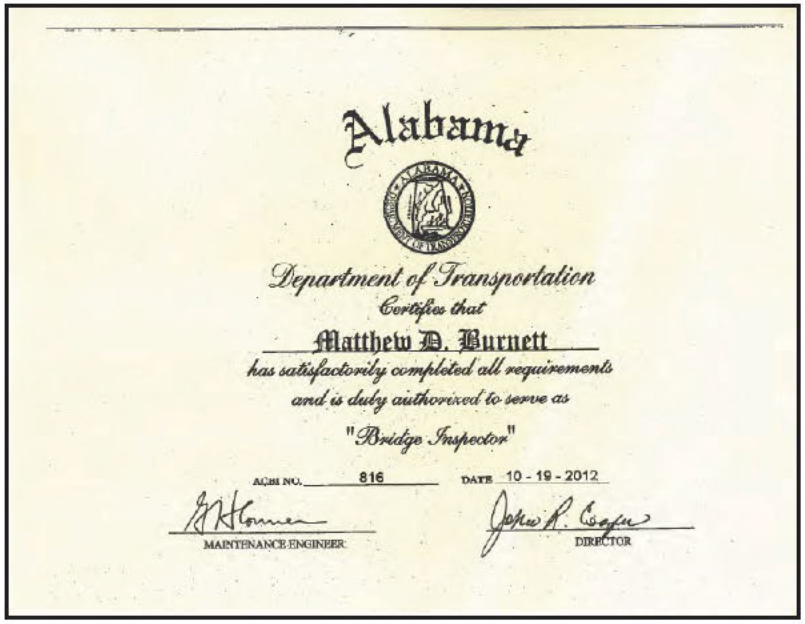
X DATE OF ISSUE 6 AUG 2019

XIV

VIII ACTING ADMINISTRATOR

U A S

Matt Burnett, PE, CBI, ADCI, CTI | MPR #9



Alabama

Department of Transportation

Certifies that

Matthew D. Burnett

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

"Bridge Inspector"

AGRI NO. 816 DATE 10 - 19 - 2012

MAINTENANCE ENGINEER

DIRECTOR

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Matt Burnett

has Successfully Completed

FHWA-NHI-130125 Tunnel Safety Inspection Refresher

Alabama Department of Transportation

Date: July 19-21, 2022
Location: Mobile, AL

Hours of Instruction: 15

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

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

Mr. Matthew David Burnett

License/Certificate Type - Number
PE.0045464

Expiration Date
09/30/2025

Status: Active

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Matt Burnett

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training (SNBI)

hosted by

Office of State Aid Road Construction

Date: April 09-11, 2024
Location: Ridgeland, MS

Hours of Instruction: 22

Instructor

Instructor

Local Coordinator

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute

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
Location: Guntersville, AL

Hours of Instruction: 21

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
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

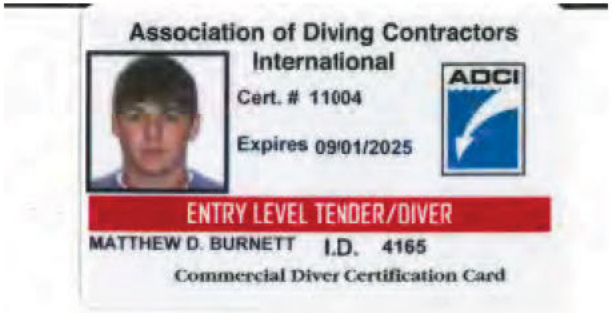
Hours of Instruction: 21

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute



Association of Diving Contractors International

Cert. # 11004

Expires 09/01/2025

ADCI

ENTRY LEVEL TENDER/DIVER

MATTHEW D. BURNETT I.D. 4165

Commercial Diver Certification Card

Certified Tunnel Inspector

Whereas ***Matt Burnett*** *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 ***00007*** *as provided by law and object to the powers or revocation vested in said Department on this* ***1st*** *day of* ***May 2017,*** A.D.

FDOT

BRIDGE MANAGEMENT INSPECTION ENGINEER

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

NHI
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, Director
National Highway Institute

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

nhi national highway institute

Certificate of Training

Matt Burnett

has successfully completed

FHWA-NHI-130053 Bridge Inspection Refresher Training (SNBI)

hosted by

Office of State Aid Road Construction

Date: April 09-11, 2024
Location: Ridgeland, MS

Hours of Instruction: 22

Instructor

Instructor

Local Coordinator

Stacey J. Caston, Director
National Highway Institute

National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

NHI
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

National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

NHI
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
Location: Mobile, Alabama

Hours of Instruction: 60

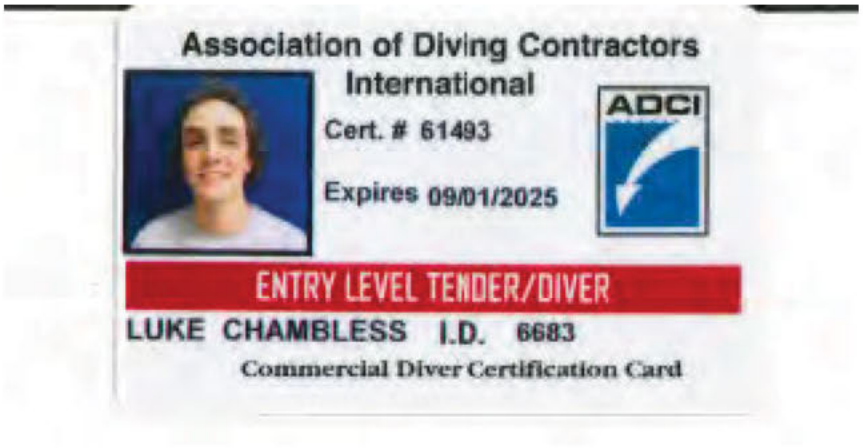
Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

Luke Chambless, ADCI | MPR #9



Randy Denmon, PE, PLS | MPR #11

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

Mr. Randy Alan Denmon

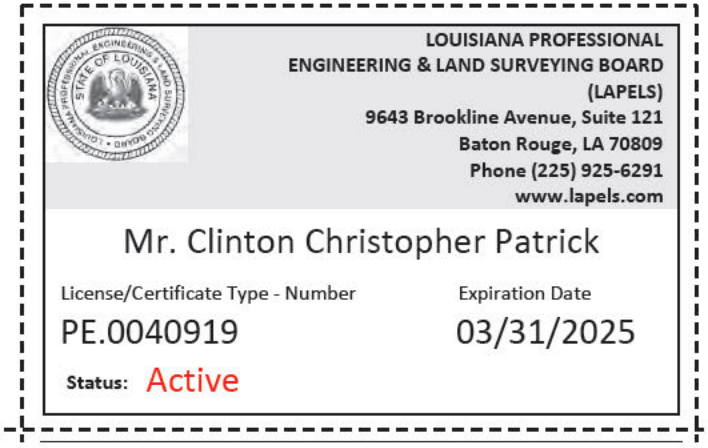
License/Certificate Type - Number: PLS.0004798
Expiration Date: 03/31/2025
Status: Active

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

Mr. Randy Alan Denmon

License/Certificate Type - Number: PE.0029390
Expiration Date: 03/31/2025
Status: Active

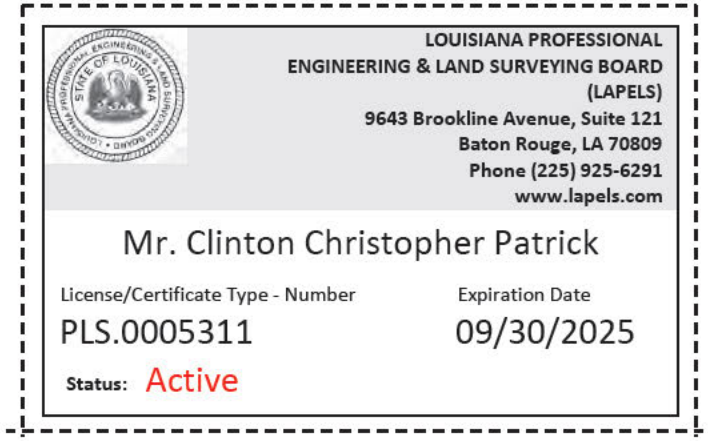
Clinton Patrick, PE, PLS | MPR #11



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

Mr. Clinton Christopher Patrick

License/Certificate Type - Number: PE.0040919
Expiration Date: 03/31/2025
Status: Active

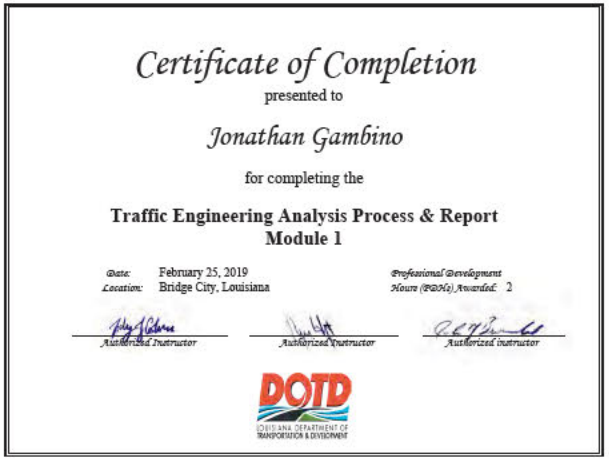


LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Clinton Christopher Patrick

License/Certificate Type - Number: PLS.0005311
Expiration Date: 09/30/2025
Status: Active

Jonathan Gambino, PE, PTOE, RSP1 |



Certificate of Completion

presented to

Jonathan Gambino

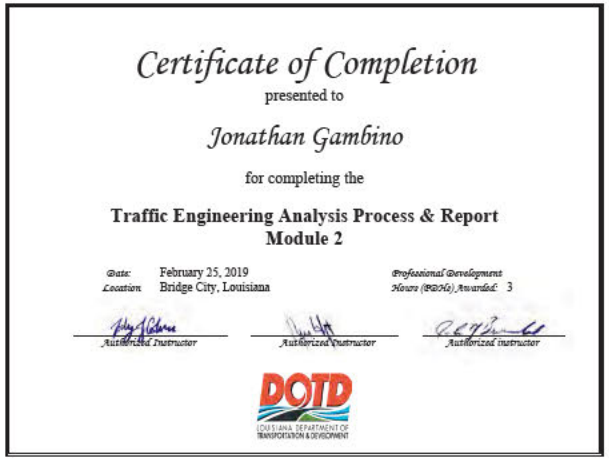
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: February 25, 2019
Location: Bridge City, Louisiana
Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan Gambino

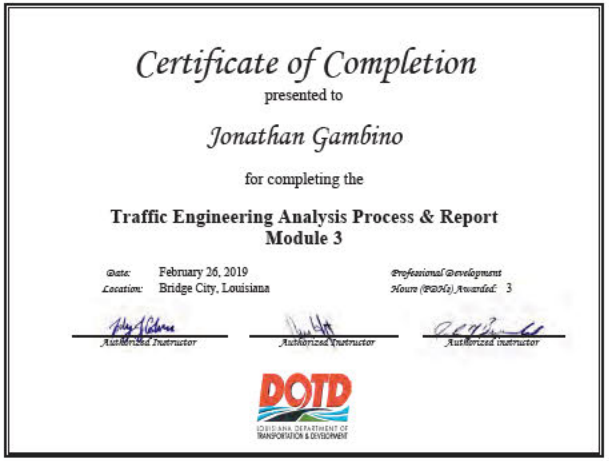
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: February 25, 2019
Location: Bridge City, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan Gambino

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: February 26, 2019
Location: Bridge City, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

Mr. Jonathan Michael Gambino

License/Certificate Type - Number
PE.0041496

Expiration Date
09/30/2025

Status: Active

Trey Pecoraro, EI

Certificate of Completion

presented to

Angelo "Trey" Pecoraro

for completing the

Traffic Engineering Analysis Process & Report Class
Module 1, 2 & 3

Date: July 10 – 11, 2024
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD

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

Mr. Angelo Joseph Pecoraro III

License/Certificate Type - Number
EI.0035212

Expiration Date
03/31/2025

Status: Active

Robert Lanterman | MPR #6

NACE INTERNATIONAL INSTITUTE

Certificate of Achievement

The NACE International Institute Recognizes

Robert Lanterman

As a Certified

NACE Certified Coating Inspector Level 3

Executive Director
NACE International Institute

Expires
May 23, 2025

Cert No.13505

100520

AMPP
The Global Leaders in Materials Protection and Performance

SSPC PCS

Certifies

Robert Lanterman, PCS

Has fulfilled the requirements for recognition as an SSPC

PROTECTIVE COATINGS SPECIALIST

Valid Through December 31, 2027

2015-820-136
Certification Number

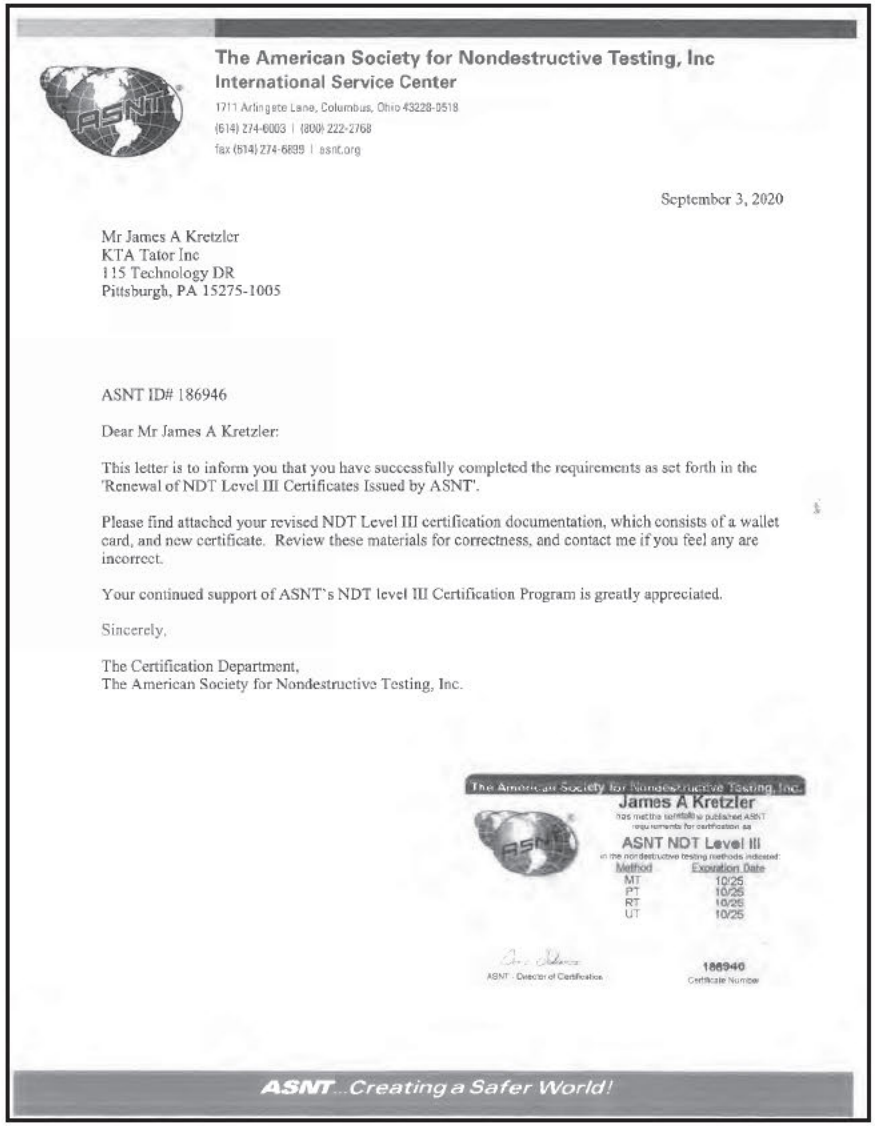
August 20, 2015
Original Date Issued

Executive Director AMPP

Emilio Rodriguez | MPR #6

Certifications:
Emilio Rodriguez

James Kretzler | MPR #7



The American Society for Nondestructive Testing, Inc
International Service Center
1711 Arlingate Lane, Columbus, Ohio 43228-0518
(614) 274-6003 | (800) 222-2768
fax (614) 274-6899 | asnt.org

September 3, 2020

Mr James A Kretzler
KTA Tator Inc
115 Technology DR
Pittsburgh, PA 15275-1005

ASNT ID# 186946

Dear Mr James A Kretzler:

This letter is to inform you that you have successfully completed the requirements as set forth in the 'Renewal of NDT Level III Certificates Issued by ASNT'.

Please find attached your revised NDT Level III certification documentation, which consists of a wallet card, and new certificate. Review these materials for correctness, and contact me if you feel any are incorrect.

Your continued support of ASNT's NDT level III Certification Program is greatly appreciated.

Sincerely,

The Certification Department,
The American Society for Nondestructive Testing, Inc.

The American Society for Nondestructive Testing, Inc.
James A Kretzler
has met the certification requirements for certification as
ASNT NDT Level III
in the nondestructive testing methods indicated:

Method	Expiration Date
MT	10/25
PT	10/25
RT	10/25
UT	10/25

ASNT - Director of Certification

186946
Certificate Number

ASNT...Creating a Safer World!

Todd Powell, CBI

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

Certified Tunnel Inspector

Whereas Jeffrey "Todd" Powell 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 00034 as provided by law and object to the powers or revocation vested in said Department on this 13th day of March 2024.

Bruno R. Vasconcelos, P.E.
State Bridge Inspection Engineer

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Todd Powell

has participated in

FHWA-NHI-130053 BridgeInspection Refresher Training

hosted by

Office of State Aid Road Construction

Date: October 27-30, 2020
Location: Virtual Delivery, MS

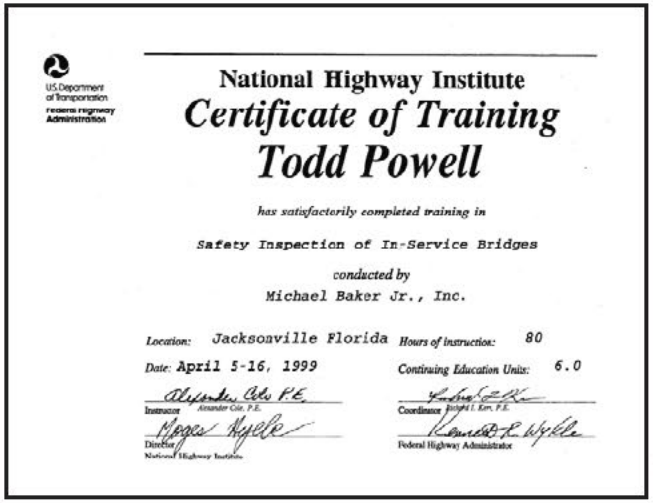
Hours of Instruction: 18

Instructor

Instructor

Marie Allbritton
Local Coordinator

Thomas Harman
Thomas Harman, 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

Safety Inspection of In-Service Bridges

conducted by

Michael Baker Jr., Inc.

Location: Jacksonville Florida
Date: April 5-16, 1999

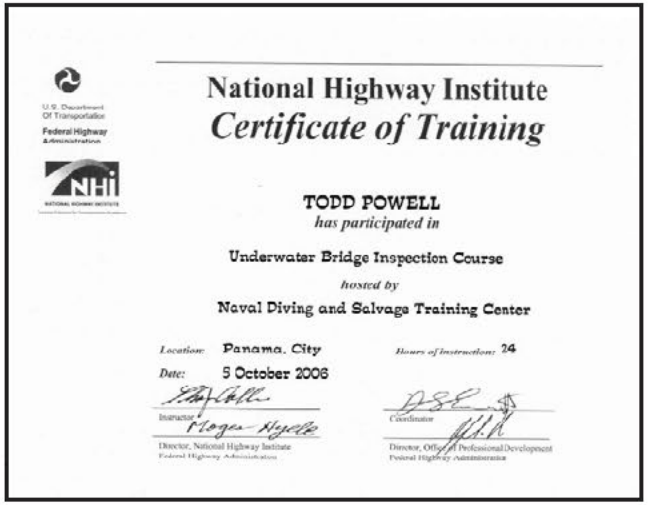
Hours of Instruction: 80
Continuing Education Units: 6.0

Instructor Alexander Ode, P.E.

Director
National Highway Institute

Coordinator Richard I. Kerr, P.E.

Federal Highway Administrator



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
Date: 5 October 2006

Hours of Instruction: 24

Instructor Roger Hyde

Director, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional Development
Federal Highway Administration

Paul Swann, CBI

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

Instructor — Randall Leonard, P.E.

Instructor

Marie Allbritton
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Paul Swann

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

Volkert, Inc.

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

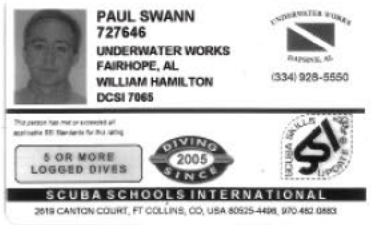
Location: Mobile, AL

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
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

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

PAUL SWANN

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

Director, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional Development
Federal Highway Administration

Robbie Chambless, CBI

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Robbie Chambless

has participated in

FHWA-NHI-130125 Tunnel Inspection Refresher Training

hosted by

Texas Department of Transportation

Date: September 9-11, 2020 *Hours of Instruction:* 17

Location: Web-Conference Course

Instructor

Instructor

Local Coordinator

Thomas Harman, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Robbie Chambless

has participated in

FHWA-NHI-130110 Tunnel Safety Inspection

hosted by

Federal Highway Administration - Resource Center

Date: November 30-December 4, 2015 *Hours of Instruction:* 32

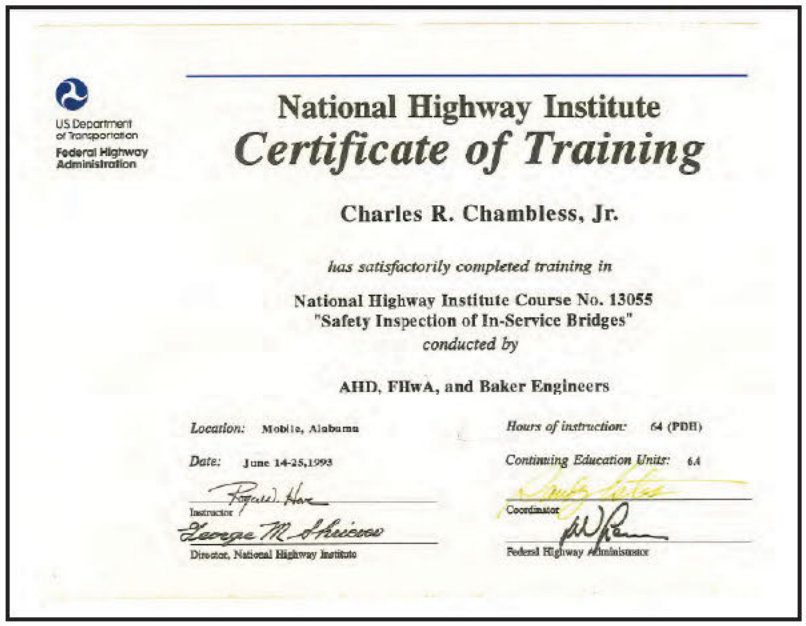
Location: Atlanta, GA

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute



US Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Charles R. Chambless, Jr.

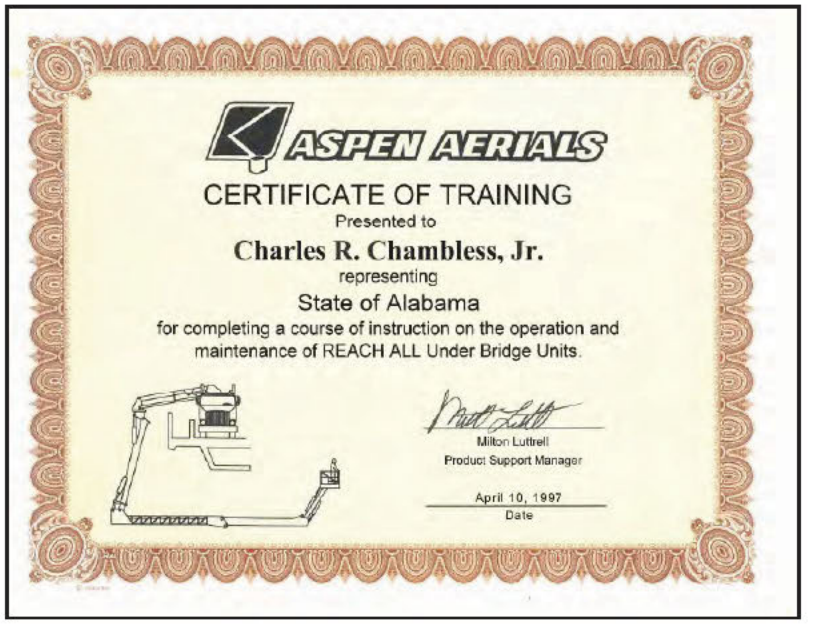
has satisfactorily completed training in

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

AHD, FHwA, and Baker Engineers

Location: Mobile, Alabama
Date: June 14-25,1993
Hours of instruction: 64 (PDH)
Continuing Education Units: 6.4

Instructor
Director, National Highway Institute
Coordinator
Federal Highway Administrator



ASPEN AERIALS

CERTIFICATE OF TRAINING

Presented to

Charles R. Chambless, Jr.

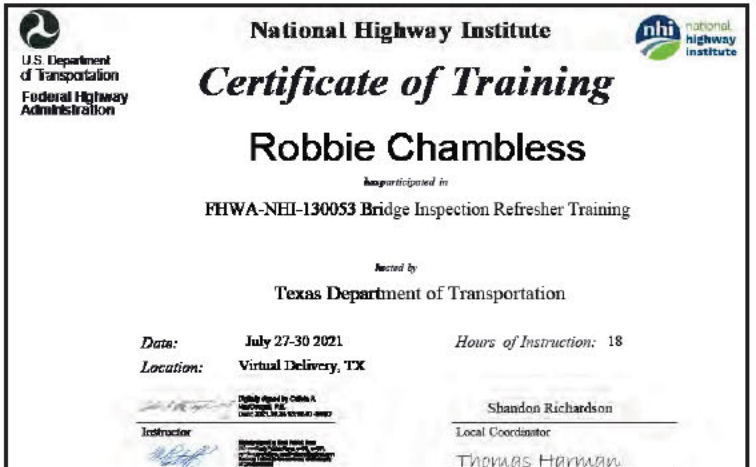
representing

State of Alabama

for completing a course of instruction on the operation and maintenance of REACH ALL Under Bridge Units.

Milton Luttrell
Product Support Manager

April 10, 1997
Date



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

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

Anthony Bibelhauser, CBI

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

issued by

Volkert, Inc.

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

Location: *Mobile, AL*

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-130125 Tunnel Safety Inspection Refresher

issued by

Alabama Department of Transportation

Date: *July 19-21, 2022* *Hours of Instruction:* 15

Location: *Mobile, AL*

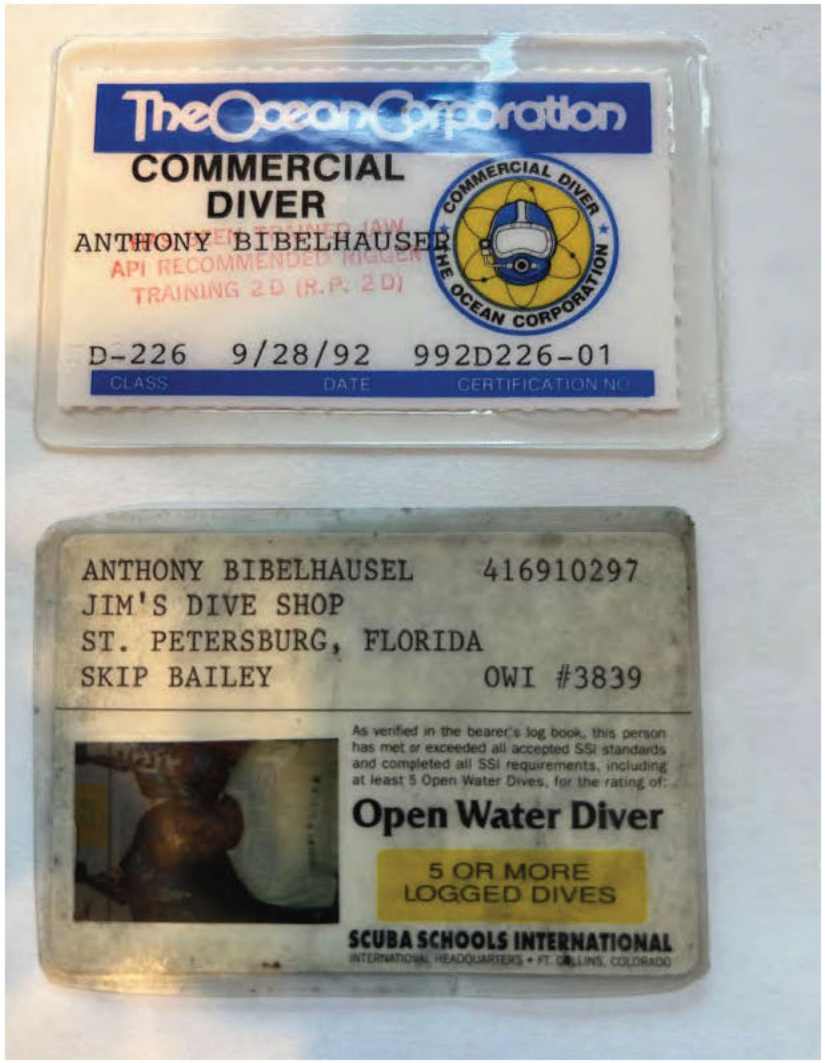
Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute



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.

National Highway Institute

Certificate of Training

Anthony Bibelhauser

FHWA – NHI – 130078

FRACTURE CRITICAL INSPECTION TECHNIQUES FOR STEEL BRIDGES

KISINGER CAMPO & ASSOCIATES, CORP.

FEBRUARY 5, 2008 — TAMPA, FLORIDA — 28

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Anthony Bibelhauser

has participated in

130053A

Bridge Inspection Refresher Course

hosted by

Kissinger Campo & Associates

Date: 08/21/2007 ***Hours of Instruction:*** 24

Location: Tampa, FL

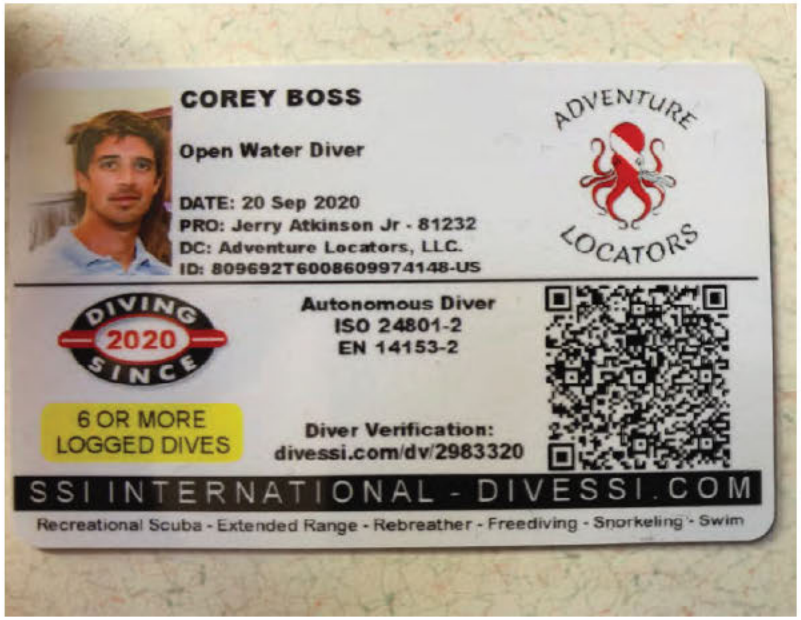
Sean A. Patrick
Instructor

Instructor

Local Coordinator

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

Corey Boss, CBI



Beau Kamarath, PE

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 *Hours of Instruction:* 67.0

Location: Frankfort, Kentucky

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

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

Joshua Johnson

Matthew Rogers

Association of Diving Contractors International

Cert. # 61534

Expires 07/29/2025

ADCI

SURFACE-SUPPLIED AIR DIVING SUPERVISOR

MATTHEW ORR ROGERS I.D. 546987619

Commercial Diver Certification Card

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI National Highway Institute

Matt Rogers

has participated in

FHWA-NHI-130091-Underwater Bridge Inspection

hosted by

ConnDOT

Date: August 4-7, 2015
Location: Newington, CT

Hours of Instruction: 27

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI National Highway Institute

Matt Rogers

has participated in

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

hosted by

Terracon Consultants, Inc.

Date: *January 28 – February 8, 2019*
Location: *Cincinnati, OH*

Hours of Instruction 67

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

nhi national highway institute

Matthew Rogers

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Kentucky Transportation Cabinet

Date: *January 17-19, 2023*
Location: *Louisville, KY*

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

Brian Dilworth

Association of Diving Contractors International

Cert. # 51622

Expires 05/11/2025

ADCI

SURFACE-SUPPLIED AIR DIVING SUPERVISOR

BRIAN P. DILWORTH I.D. 6496

Commercial Diver Certification Card

National Highway Institute

Certificate of Training

Brian P. Dilworth

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Brian Dilworth

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Collins Engineers, Inc.

Date: February 18-20, 2020 *Hours of Instruction:* 18

Location: Chicago, IL

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

Brian Dilworth

has participated in

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

hosted by

Collins Engineers, Inc.

Date: August 10-21, 2015 *Hours of Instruction:* 67 Hours

Location: Chicago, IL

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

Roy Forsyth

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Roy Forsyth

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Texas Department of Transportation

June 22 - 25, 2021
Virtual Delivery, TX

Hours of Instruction: 18

Shandon Richardson
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

NHI
NATIONAL HIGHWAY INSTITUTE

National Highway Institute

Certificate of Training

Roy A. Forsyth

has participated in

Underwater Bridge Inspection
NHI Course 130091

hosted by

Collins Engineers, Inc.

Location: Chicago, Illinois

Hours of Instruction: 20

Date: May, 2007

Instructor

Director, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional Development
Federal Highway Administration

On-site training based on

U.S. Department of Transportation

Federal Highway Administration's
BITM 90
80 hr Course

Certificate of Training

Roy A. Forsyth, E.I.T.

has satisfactorily completed training in

Safety Inspection of In-Service Bridges

conducted by

Collins Engineers, Inc.

Location: Chicago, Illinois

Hours of Instruction: 80

Date: August, 2003

Continuing Education Units: 6.0

Instructor

Coordinator

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Roy Forsyth

has participated in

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

hosted by

Collins Engineers, Inc.

Date: April 16-20, 2018

Location: Chicago, IL

Hours of Instruction: 34 Hours

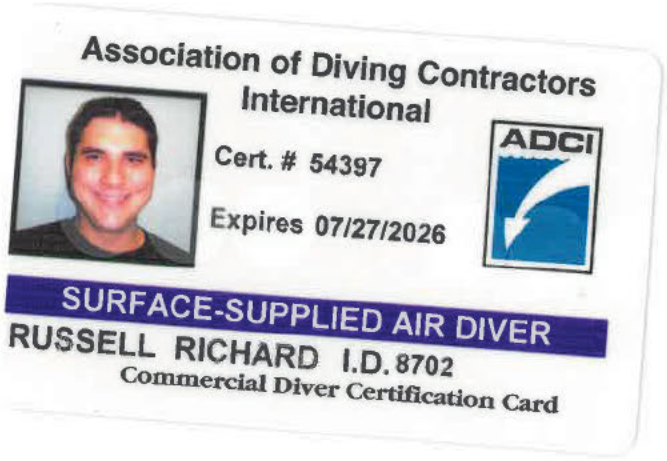
Instructor

Local Coordinator

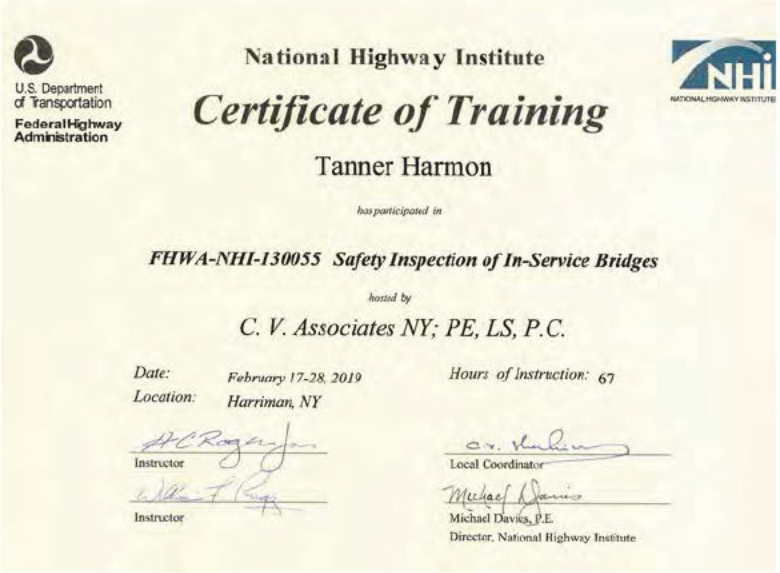
Instructor

Valerie Briggs, Director
National Highway Institute

Russell Richard



Tanner Harmon



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Tanner Harmon

has participated in

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

hosted by

C. V. Associates NY; PE, LS, P.C.

Date: *February 17-28, 2019*
Location: *Harriman, NY*

Hours of Instruction: 67

Instructor

Instructor

Local Coordinator

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

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Tanner Harmon

has Successfully Completed

FHWA-NHI-130053 – Bridge Inspection Refresher Training

hosted by

New Jersey Department of Transportation

Date: *September 12-14, 2023*
Location: *Trenton, NJ*

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

James Appler

has attended

Traffic Control Technician-LA State Specific

Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

James Appler

has attended

Traffic Control Supervisor-LA State Specific

Training Course

11/30/2022 to 11/30/2026
Training Valid Through

Baton Rouge, LA
Location

Director of Training

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA

American Traffic Safety Services Association ATSSA.com

Louisiana Professional Engineering and Land Surveying Board

Hereby Certifies that

Mr. James Andrew Appler

has satisfied the applicable requirements and is therefore licensed as a

Professional Engineer

and hereby entitled to practice engineering in the State of Louisiana.

Baton Rouge, Louisiana · March 22, 2023

Edgar Boutte
Chairman

Secretary

License Number PE.0047675

SPRAT®

Society of Professional Rope Access Technicians

ROPE ACCESS TECHNICIAN

LEVEL: I

James Appler

Tampa, FL
USA

SPRAT Cert. # 120243
Certification Date: 27 JAN 2022
Renewal Date: 27 JAN 2025

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

James Appler

has participated in

FHWA-NHI-380078 Fracture Critical Inspection Techniques for Steel Bridges

hosted by

Wallace Montgomery

Date: *October 08-11, 2019*

Location: *Hunt Valley, MD*

Hours of Instruction: 25

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

NATIONAL HIGHWAY INSTITUTE

James A. Appler

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**

Guy R Lang PE
Instructor

Dennis R. Boughman, P.E.
Instructor

Local Coordinator

Valerie Briggs
Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

national highway institute

CERTIFICATE OF TRAINING

James Appler

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: *7/21/2015*

Valerie Briggs, Director
National Highway Institute

Valerie Briggs

U.S. Department of Transportation
Federal Highway Administration

national highway institute

CERTIFICATE OF TRAINING

James Appler

has participated in

NHI Course No. FHWA-NHI-130124

Tunnel Safety Inspection Refresher WBT Prerequisite

Hosted by: **National Highway Institute**

Location: *Web-Based Course*

Hours of Instruction: *4 hours*

Date: *2/2/2022*

Thomas P. Harman
Acting Director | National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

national highway institute

Certificate of Training

JAMES APPLER

has Successfully Completed

FHWA-NHI-130125
Tunnel Safety Inspection Refresher

hosted by

LA DOTD/LTRC

Date: *February 15-17, 2022*

Location: *Baton Rouge, LA*

Hours of Instruction: 17

Paul McGuinness
Instructor

Chris Tsai
Instructor

Allison H. Landry
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 7/22/2024 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. James Andrew Appler
1511 North West Shore Boulevard
Tampa, Florida 33607

Cut Here

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

Mr. James Andrew Appler

License/Certificate Type - Number	Expiration Date
PE.0047675	09/30/2025

Status: Active

Fold Here

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.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer
All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.

If you need to make changes to your contact information, please choose one of the following options below:

Contact update for Individuals and Firms

License/Certificate Types:

EF = Engineering Firm VF = Land Surveying Firm

CPD = Continuing Professional Development Sponsor/Provider

*PE = Professional Engineer *PLS = Professional Land Surveyor

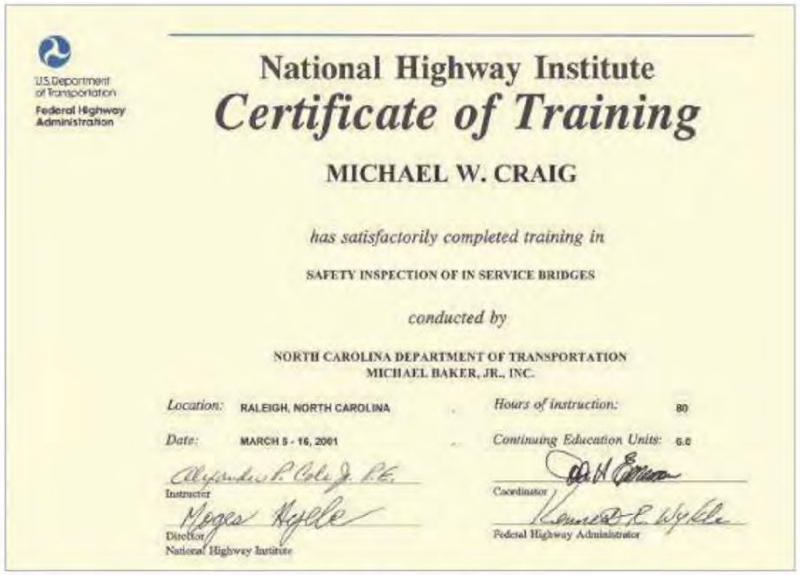
*EI = Engineer Intern *LSI = Land Surveyor Intern

*PE Discipline Codes

AG	Agricultural	ME	Mechanical
AR	Architectural	MI	Mining or Mineral
CH	Chemical	MT	Metallurgical
CE	Civil	MU	Manufacturing
CS	Control Systems	NV	Naval Architecture & Marine
EE	Electrical & Computer	NU	Nuclear
EV	Environmental	ST	Structural *
FP	Fire Protection	PT	Petroleum
IE	Industrial		

* An engineer that has passed the Structural I exam is listed as a Civil Engineer. An engineer that has passed both the Structural I and II exams is listed as Structural (ST) and a Civil (CE) Engineer.

20. Certifications/Licenses:



National Highway Institute

Certificate of Training

MICHAEL W. CRAIG

has satisfactorily completed training in

SAFETY INSPECTION OF IN SERVICE BRIDGES

conducted by

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
MICHAEL BAKER, JR., INC.

Location: RALEIGH, NORTH CAROLINA — *Hours of Instruction:* 80

Date: MARCH 5 - 16, 2001 — *Continuing Education Units:* 6.0

Instructor — Coordinator

Director, National Highway Institute — Federal Highway Administrator

National Highway Institute

Certificate of Training

Michael Craig

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

WSP

Date: January 10-12, 2023 — *Hours of Instruction:* 18

Location: Raleigh, NC

Instructor — Local Coordinator

Instructor — Thomas Harman, Director, National Highway Institute

National Highway Institute

Certificate of Training

Michael Craig

has participated in

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

hosted by

Parsons Brinckerhoff

Date: Oct 06-09, 2015 — *Hours of Instruction:* 25

Location: Lawrenceville, NJ

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

National Highway Institute

Certificate of Training

Michael Craig

has participated in

FHWA-NHI-130087

Inspection and Maintenance of Ancillary Highway Structures

hosted by

WSP | Parsons Brinckerhoff, Inc.

Date: July 18-19, 2016 — ***Hours of Instruction:*** 11

Location: Herndon, VA

Instructor — Local Coordinator

Instructor — Valerie Briggs, Director, National Highway Institute

Prime consultant name: **Volkert**

National Highway Institute

Certificate of Training

Michael Craig

has participated in

BINS Workshop-013099

hosted by

North Carolina Department of Transportation

Date: October 11, 2011 *Hours of Instruction:* 6.5

Location: Raleigh, NC

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Michael Craig

has participated in

FHWA-NHI-134029 Bridge Maintenance Training

hosted by

WSP GROUP

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

Location: Charlotte, NC

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

I UNITED STATES OF AMERICA XI

DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION

4V NAME
MICHAEL W CRAIG

V ADDRESS 101 WILANDER DR
CARY NC 27511-6106

VI NATIONALITY USA SEX HEIGHT WEIGHT HAIR EYES
IVa D.O.B. 26 NOV 1972 M 75 225 BROWN BROWN

IX HAS BEEN FOUND PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

II REMOTE PILOT
III CERTIFICATE NUMBER 3962974
X DATE OF ISSUE 22 OCT 2019

XIV
VIII ADMINISTRATOR

U S A

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

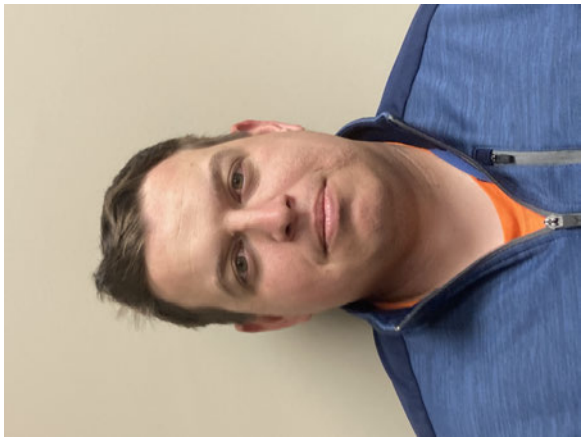
Mr. Michael Warren Craig

License/Certificate Type - Number: PE.0041964

Expiration Date: 03/31/2026

Status: Active

Prime consultant name: **Volkert**



SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

Rope Access Certification

SPRAT®
Society of Professional Rope Access Technicians

Acknowledges that

CASEY HOWARD

has successfully completed the evaluation and written test
in accordance with SPRAT's Rope Access Certification Requirements
and is a certified

Level 2 Technician

SPRAT #151444

AWARDED: 17 November, 2023

Expires: 19 February, 2027

DAVIDE SARTONI, EVALUATIONS COMMITTEE CHAIR

RICHARD DELANEY, SPRAT PRESIDENT

SPRAT's Technician Verification System may be used to verify the accuracy of data on this certificate.

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

Mr. Lloyd Mark Pearson

License/Certificate Type - Number	Expiration Date
PE.0039629	09/30/2025

Status: Active

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

Mr. Arunava Saha

License/Certificate Type - Number	Expiration Date
PE.0038334	03/31/2026

Status: Active

[redacted]

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

Casey Howard

has participated in

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

hosted by

WSP GROUP

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

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

Prime consultant name: **Volkert**

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Casey Howard
has attended
Louisiana Traffic Control Supervisor
Training Course

8/16/2023 to 8/16/2027
Training Valid Through

CEU: 1.50

Vice President of Education and Technical Training

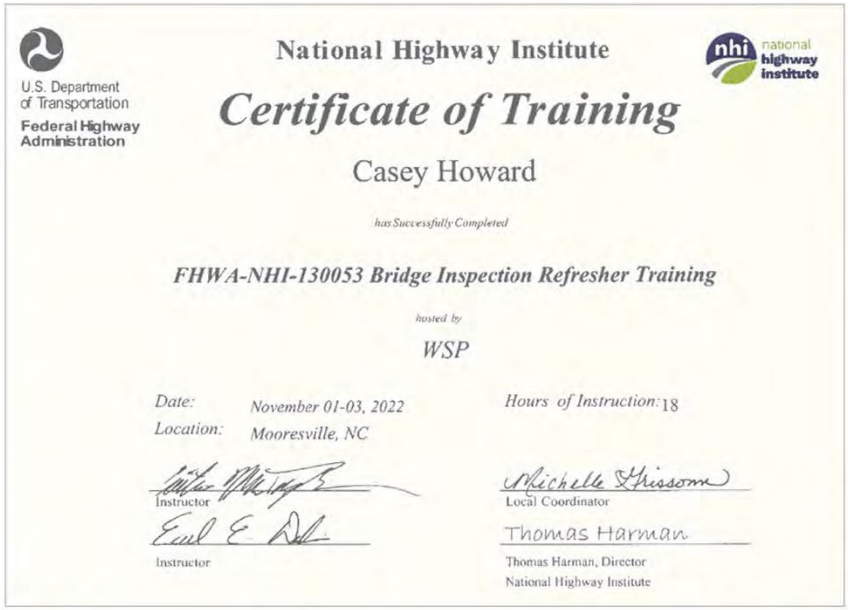
New Orleans, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

This certificate provides proof of training, not certification.

ATSSA American Traffic Safety Services Association ATSSA.com



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

Casey Howard

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

WSP

Date: *November 01-03, 2022*
Location: *Mooresville, NC*

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

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Casey Howard

has participated in

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

hosted by

Stantec

Date: *August 23-26, 2016*
Location: *Denver, CO*

Hours of Instruction: 25

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Casey Howard

has participated in

FHWA-NHI-134029 Bridge Maintenance Training

hosted by

WSP GROUP

Date: *October 1-4, 2013*
Location: *Charlotte, NC*

Hours of Instruction: 24

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

Prime consultant name: **Volkert**

National Highway Institute

Certificate of Training

Casey Howard

has participated in

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

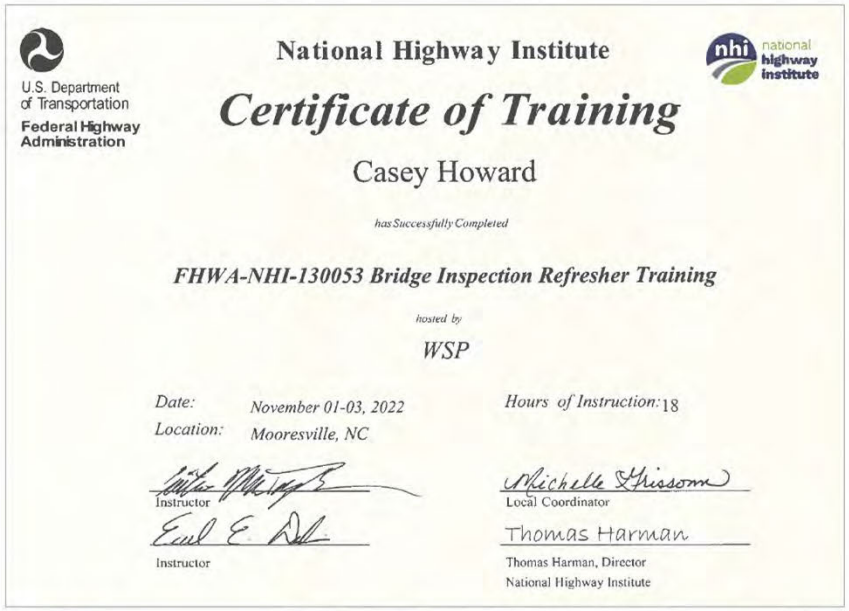
hosted by

WSP GROUP

Date: January 27- February 7, 2014
Location: Charlotte, NC

Hours of Instruction: 60

Instructor
Instructor
Local Coordinator
Richard Barnaby, Director
National Highway Institute



National Highway Institute

Certificate of Training

Casey Howard

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

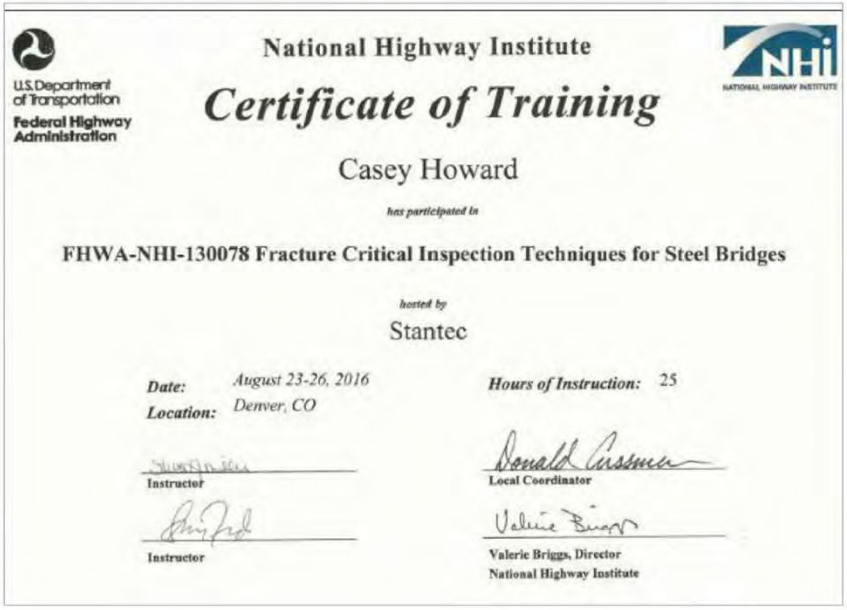
hosted by

WSP

Date: November 01-03, 2022
Location: Mooresville, NC

Hours of Instruction: 18

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



National Highway Institute

Certificate of Training

Casey Howard

has participated in

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

hosted by

Stantec

Date: August 23-26, 2016
Location: Denver, CO

Hours of Instruction: 25

Instructor
Instructor
Local Coordinator
Valerie Briggs, Director
National Highway Institute

National Highway Institute

Certificate of Training

Casey Howard

has participated in

FHWA-NHI-134029 Bridge Maintenance Training

hosted by

WSP GROUP

Date: October 1-4, 2013
Location: Charlotte, NC

Hours of Instruction: 24

Instructor
Instructor
Local Coordinator
Richard Barnaby, Director
National Highway Institute

Prime consultant name: **Volkert**

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

Rope Access Certification

SPRAT®
Society of Professional Rope Access Technicians

Acknowledges that

MATTHEW SULLIVAN

has successfully completed the evaluation and written test
in accordance with SPRAT's Rope Access Certification Requirements
and is a certified

Level 3 Technician

SPRAT #130358

AWARDED: March 11, 2022

Expires: March 11, 2025

TROLL . +FP, EVALUATIONS COMMITTEE CHAIR

TOM WOOD, SPRAT PRESIDENT

SPRAT's Technician Verification System may be used to verify the accuracy of data on this certificate.

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

Mr. Casey Jordan Howard

License/Certificate Type - Number	Expiration Date
PE.0042913	03/31/2025

Status: Active

[redacted]

Prime consultant name: **Volkert**

National Highway Institute

Certificate of Training

MATTHEW SULLIVAN

has participated in

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

hosted by

Boston Society of Civil Engineers with Massachusetts Department of Transportation

Date: May 02-13, 2011 *Hours of Instruction:* 60

Location: Boston, MA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

National Highway Institute

Certificate of Training

Matthew Sullivan

has participated in

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

hosted by

MP Engineers, P.C.

Date: February 25-28, 2020 *Hours of Instruction:* 25

Location: Kingston, NJ

Instructor

Instructor

Local Coordinator

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

National Highway Institute

Certificate of Training

Matthew Sullivan

has participated in

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

hosted by

PKB Engineering Corporation

Date: July 14-15, 2015 *Hours of Instruction:* 12

Location: Secaucus, NJ

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

National Highway Institute

Certificate of Training

Matthew Sullivan

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Rhode Island Department of Transportation

Date: February 26-28, 2019 *Hours of Instruction:* 18 24

Location: East Greenwich, RI

Instructor

Instructor

Local Coordinator

Michael Davies, Director
National Highway Institute

Prime consultant name: **Volkert**

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 Paul Sullivan

License/Certificate Type - Number
PE.0042490

Expiration Date
09/30/2024

Status: Active

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Gilberto Rosado

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher

hosted by

Greenman-Pedersen, Inc.

Date: February 21-23, 2017
Location: Albany, NY

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

Gil Rosado

has participated in

FHWA-NHI 130053 Bridge Inspection Refresher Training

hosted by

Iowa LTAP at the Institute for Transportation
Iowa State University

Date: February 18-20, 2014
Location: Ames, Iowa

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Gilberto Rosado

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

Prime consultant name: **Volkert**

Federal Highway Administration
RESOURCE CENTER

Gil Rosado

has completed 7 hours of training in

Introduction to Element Level Bridge Inspection

Date: **August 14, 2014**

Location: **Staunton, VA**

Instructor(s)

Coordinator(s)

Bridge Inspection Training School

This certifies that

Gilberto Rosado

Has completed a comprehensive training course based on NHI 130055 and approved by FHWA New Mexico Division.

May 12-23, 2008
New Mexico State University
Las Cruces, NM

Samuel P. Maggard, Ph.D., P.E.
Bridge Inspection Engineer
Civil Engineering Department
New Mexico State University

NM STATE UNIVERSITY

Kenneth R. White, Ph.D., P.E.
Associate Department Head
Civil Engineering Department
New Mexico State University

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Gil Rosado

has participated in

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

hosted by

Ohio Department of Transportation

Date: February 25-28, 2014
Location: Columbus, OH

Hours of Instruction: 25

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI

Certificate of Training

Gilberto Rosado

has participated in

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

hosted by

Virginia Department of Transportation

Date: December 15-16, 2014
Location: Dulles Virginia

Hours of Instruction: 12

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

Prime consultant name: **Volkert**

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

Mr. Gilberto Rosado

License/Certificate Type - Number
PE.0046753

Expiration Date
09/30/2024

Status: Active

9161477

AMPP Certificate of Achievement

The Association for Materials Protection and Performance Recognizes

Joshua Fisher

As a Certified

AMPP Coating Inspector Program with Bridge Specialty

Executive Director
AMPP

Expires
September 29, 2026

Cert No.N-75485

9161477

AMPP Certificate of Achievement

The Association for Materials Protection and Performance Recognizes

Joshua Fisher

As a Certified

Certified Coatings Inspector

Executive Director
AMPP

Expires
September 29, 2026

Cert No.N-75485

Certificate of Completion

360training.com

This Certifies That

Joshua Fisher

is awarded this certificate for

Confined Space Entry Training

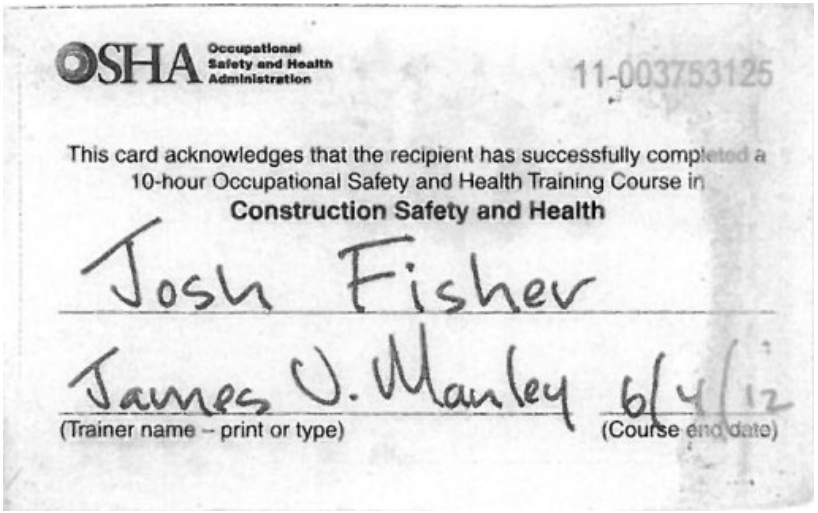
Complying with OSHA Standard 29 CFR 1910.146, Entrant, Attendant, Supervisor

Credit Hours: 8
Completion Date: 11/01/2016

Marie Athey, OSHA Trainer

360training.com ♦ 13801 Burnet Rd., Suite 100 ♦ Austin, TX 78727 ♦ 888-360-TRNG ♦ www.360training.com

Prime consultant name: **Volkert**



Prime consultant name: **Volkert**

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

national highway institute

Certificate of Training

Mustapha A. Ibrahim

has participated in

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

hosted by

Bartlett and West, Inc.

Date: November 01-05, 2021
Location: Irving, TX

Hours of Instruction: 34

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Jude Bonsu

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

T&M Associates

Date: September 18-20, 2007
Location: Middletown, New Jersey

Hours of Instruction:
Each day of training = 6 hours

Instructor - Sean Patrick

Instructor - Jeff Rowe

Local Coordinator - Laura A. Donlon

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

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

Mr. Jude Osei Bonsu

License/Certificate Type - Number
PE.0044561

Expiration Date
09/30/2024

Status: Active

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

Mr. Robert Algazi

License/Certificate Type - Number
PE.0044505

Expiration Date
09/30/2024

Status: Active

Prime consultant name: **Volkert**

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

Mr. Jose R. Canales

License/Certificate Type - Number
PE.0044179

Expiration Date
09/30/2024

Status: Active

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

Mr. Kevin William Walsh

License/Certificate Type - Number
PE.0044049

Expiration Date
03/31/2026

Status: Active

Prime consultant name: **Volkert**

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

William Mitchell
has attended
Louisiana Traffic Control Supervisor
Training Course

8/16/2023 to 8/16/2027
Training Valid Through

CEU: 1.50

Vice President of Education and Technical Training

New Orleans, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

ATSSA American Traffic Safety Services Association ATSSA.com

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

William Mitchell
has participated in

FHWA-NHI-130053 Safety Inspection Refresher Training

hosted by
WSP USA

Date: *January 16-18, 2018* ***Hours of Instruction:*** 18
Location: *Cary, NC*

Instructor
Instructor
Local Coordinator
Valerie Briggs, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

William Mitchell
has participated in

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

hosted by
WSP

Date: *February 18-21, 2014* ***Hours of Instruction:*** 21
Location: *Cary, NC*

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

William Mitchell
has participated in
FHWA-NHI-130087
Inspection and Maintenance of Ancillary Highway Structures

hosted by
WSP | Parsons Brinckerhoff, Inc.

Date: **July 18-19, 2016** ***Hours of Instruction:*** **11**
Location: **Herndon, VA**

Instructor
Instructor
Local Coordinator
Valerie Briggs, Director
National Highway Institute

Prime consultant name: **Volkert**

Prime consultant name: **Volkert**

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

APS Engineering and Testing, LLC

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

NC221310, NC221320, NC541330, NC541370, NC541380, NC541620, NC541690

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

Certificate Eligibility: October 2023 to October 2024

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

Volkert, Inc. Firm Licenses

Name:	Public Address:
Volkert, Inc.	P. O. Box 7434 Mobile, Alabama 36670

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002500	Active	03/28/2000	09/30/2024	Ms. Janet Leigh Evans # PE.0021307 ; Mr. Stephen Pence Heraty # PE.0031272

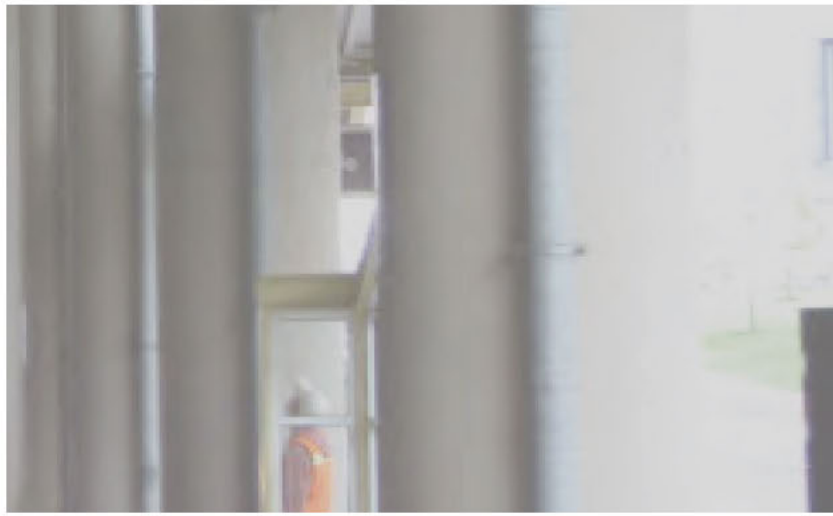
Name:	Public Address:
Volkert, Inc.	P. O. Box 7434 Mobile, Alabama 36670

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000869	Active	12/13/2021	03/31/2026	Mr. Randy Alan Denmon # PLS.0004798

SECTION 21

QA/QC PLAN AND/OR WORK PLAN (NOT REQUIRED)



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

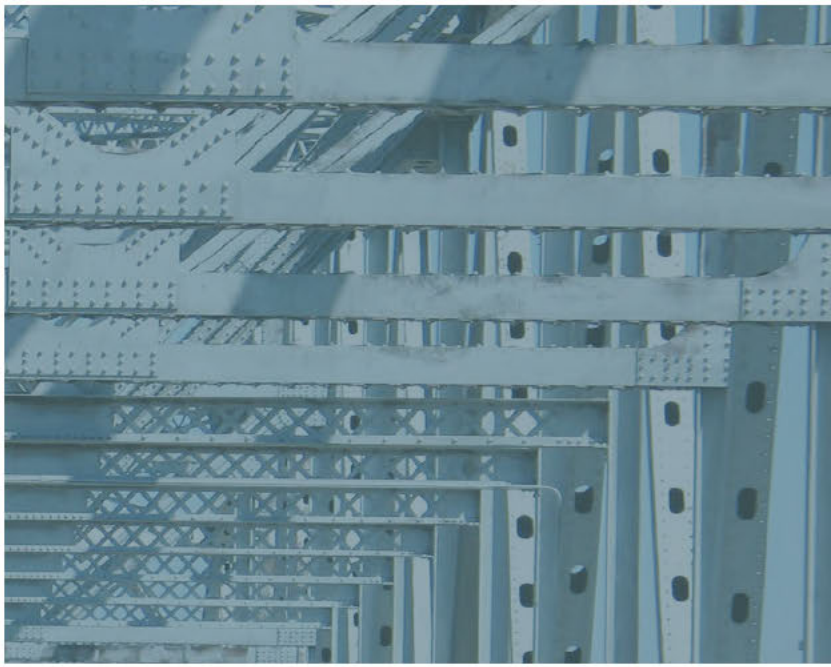
If the advertisement requires submission of a QA/QC plan, include it here. Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.

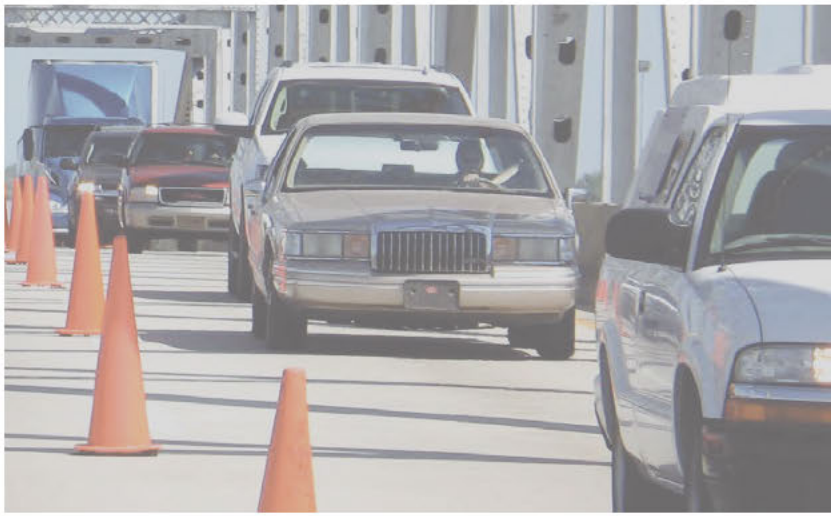
Not Required for this Submittal.

SECTION 22

SUBCONSULTANT INFORMATION

VOLKERT





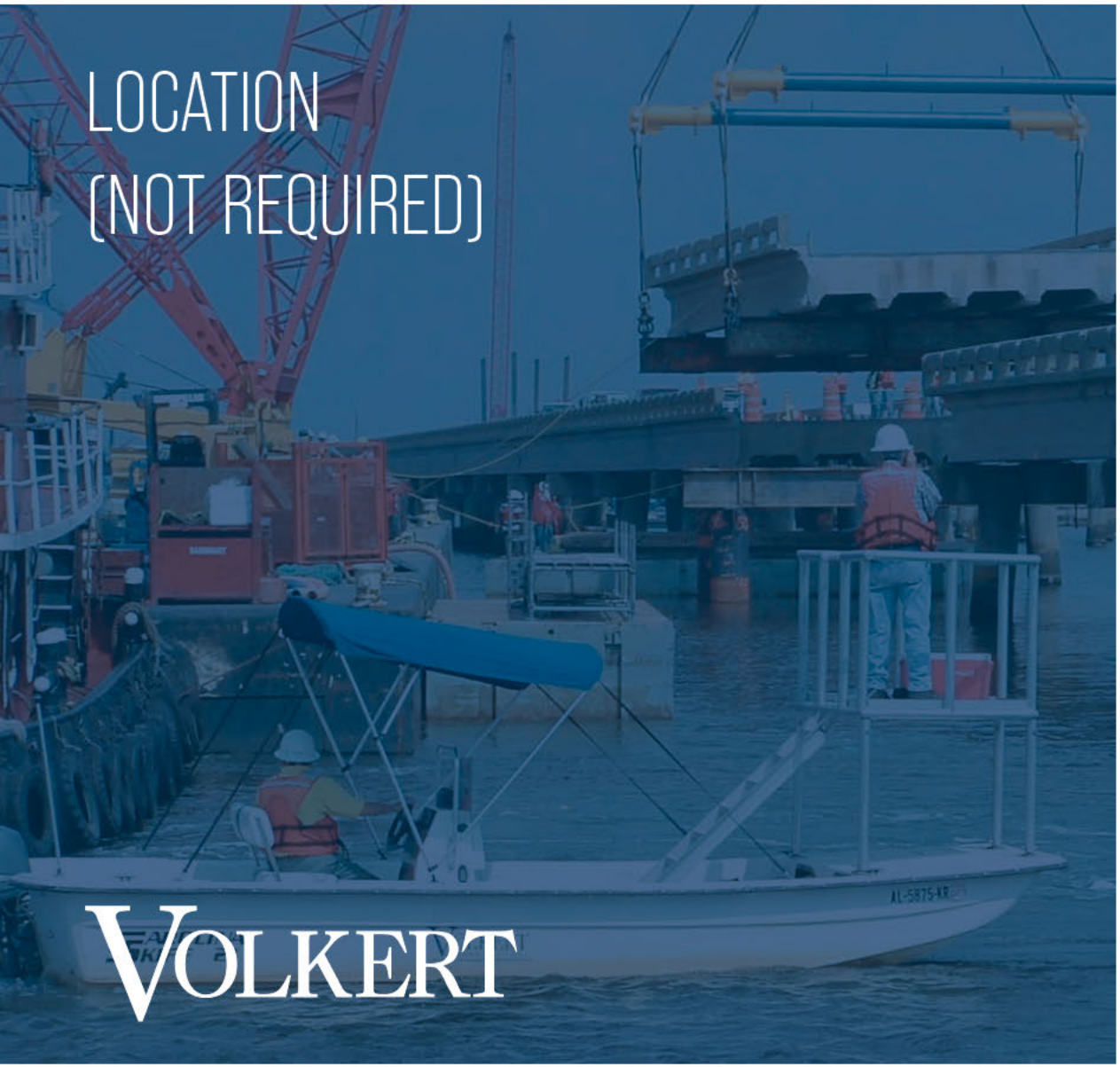
22. Sub-consultant information:

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 (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
WSP USA Inc.	1100 Poydras Street, Suite 1175 New Orleans, LA 70163	Max Nassar, Senior VP Senior Managing Director (LA, MS, AL) Max.nassar@wsp.com	225-218-3584
Collins Engineers South, Incorporated	9448 Brookline Avenue, Baton Rouge, LA 70809 **201 Rue Beauregard, Suite 202, Lafayette, LA 70508	Michael Schneider, PE mschneider@collinsenger.com	347-385-8690
Burgess & Niple, Inc.	3867 Plaza Tower Dr. Baton Rouge, LA 70816	Mark Bernhardt Mark.Bernhardt@BurgessNiple.com	614-459-2050
Marine Solutions, Inc. of Kentucky	225 Industry Parkway Nicholasville, KY 40356	Sean P. Chapman, P.E. schapman@msimarinesolutions.com	859-260-1055
Fickett Structural Solutions, Inc.	3148 Deming Way, Suite 160 Middleton, WI 53562	Ryan Sievers rsievers@fickettinc.com	515-979-4807
ECM Consultants, Inc.	1301 Clearview Parkway, Suite 200 Metairie, LA 70001	Ujjal DasGupta, P.E. ujjal@ecmconsultants.com	504-885-4080
KTA-Tator, Inc.	145 Enterprise Drive Pittsburgh, PA 15275	Robert Lanterman rlanterman@kta.com	412-722-0745
KPFF, Inc.	450 Laurel Street, 8th Floor Baton Rouge, LA 70801	Chris Ligozio, PE, SE, Associate chris.ligozio@kpff.com	D 585.465.5092 M 773.805.2103
APS Engineering and Testing, LLC	1645 Nicholson Drive, Baton Rouge, LA 70802	Sergio Aviles, PE sergio@aps-testing.com	225-456-5714

**Address matches what is listed on the Louisiana Secretary of State registration

SECTION 23



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. Any information included in this section will be redacted if not required by the advertisement.

Not Required for this Submittal.