

DOTD FORM: 24-102

(Revised June 1, 2021)

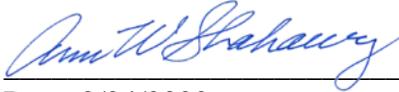
PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	IDIQ FOR BRIDGE INSPECTION SERVICES
2. Contract number(s) as shown in the advertisement	4400023510, 4400023511, AND 4400023512
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	SDR Engineering Consultants, 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)	EF0003263 DUNS Number: 968522367
6. Prime consultant mailing address	2820 Continental Drive, Suite 100, Baton Rouge, LA 70808
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	2820 Continental Drive, Suite 100, Baton Rouge, LA 70808
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Mohsen Shahawy, PhD, PE Principal & COO (850) 222-2737, Ext. 226 shahawy@sdrengineering.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Ann Shahawy CEO (850) 222-2737, Ext. 222 ashahawy@sdrengineering.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,	

<p>proposer certifies that it is not engaged in a boycott of Israel, and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.</p>	<p>Signature (shall be the same person as #9):</p> <p></p> <p>Date: 2/24/2022</p>
<p>11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.</p>	<p>No DBE Goal</p>

12. Past Performance Evaluation Discipline Table:

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

Evaluation Disciplines	% of Overall Contract	SDR (Prime)	F&T	B&N	Stanley	SDLA	KTA	MCA
Bridge	90%	57%	3%	29%		6%	2%	3%
Roadway	4%				100%			
Traffic	2%				100%			
Survey	4%		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%	51%	7%	26%	6%	5%	2%	3%

Consultants

B&N: Burgess & Niple, Inc.

BURGESS & NIPLÉ

F&T: Forte & Tablada, Inc.



KTA: KTA-Tator, Inc.



MCA: Marrero, Couvillon & Associates, LLC



Stanley: Stanley Consultants, Inc.



SDLA: Specialty Diving of Louisiana, Inc.

SDR: SDR Engineering Consultants, Inc.



13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify “Other (xxxx)” and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:

http://wwwsp.dotd.la.gov/Inside_DOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
SDR Engineering Consultants, Inc. 	Principal	1	2
	Supervisor Engineer	2	3
	Engineer	4	4
	Engineer Intern	6	10
	Inspector-Bridge	6	8
	CADD Drafter	1	2
	Computer Analyst	1	2
	Administrative	1	2
Forte & Tablada, Inc. 	Administrative		3
	CADD Technician	4	8
	Clerical		4
	Engineer	1	4
	Inspector		3
	Instrument Man	1	1
	Party Chief	2	6
	Engineer Intern		9
	Principal	1	3
	Rodman	1	11
	Senior Technician	1	3
	Supervisor Engineer	1	4
Supervisor Other		2	

	Surveyor	1	5
B&N: Burgess & Niple, Inc. BURGESS & NIPLE	Engineer	3	3
	Engineer – Other	18	18
	Principal	1	2
	Engineer Intern	3	4
	Inspector – Bridge	3	3
	CADD – Operator	1	2
Stanley Consultants, Inc. 	Principal	1	1
	Engineer Supervisor	2	4
	Engineer	1	1
	Engineer Intern	2	2
	Senior Technician	1	1
Specialty Diving of Louisiana, Inc. 	Other	7	7
KTA: KTA-Tator, Inc. 	Supervisor-Other	2	12
Marrero, Couvillon & Associates, LLC 	Supervisor Architect	1	1
	Supervisor Engineer	1	2
	Technician	1	1
	CADD Drafter	1	2
	CADD Technician	1	1
	Clerical	1	1

Louisiana Department of Transportation & Development
IDIQ FOR BRIDGE INSPECTION SERVICES SP NO. H.000445

SDR Engineering Consultants, Inc.
 Mohsen Shahawy, PE
Principal-in-Charge

Quality Control
 Lead: Mohsen Shahawy, PE (SDR)
 Support: Russell Coco, PE (F&T)
 Edward Cinadr, PE (B&N)
 Blake Roussel, PE, PMP (SC)
 Marshall Whitmer III (SDLA)
 Robert Lanterman (KTA)
 Brian T. Miller, PE (MCA)

Contract Management
 Lead: Mohsen Shahawy, PE (SDR)
 Support: Zhiyong Liang, PE (SDR)

SDR Engineering Consultants, Inc.
 Zhiyong Liang, PE
Project Manager
 Hatem Seliem, PE
Deputy Project Manager

Bridge Design

SDR
 Lead: Zhiyong Liang, PE
 Support: Hatem Seliem, PE*
 Adnan Elsaad, PE*
 Sara Sotoud, PE
 Greg Fussell, PE
 Ahmed Rageh, PE
 Feng Xie, PE
 Osama Elsaad, PE*

Inspection

SDR
 Lead: Zhiyong Liang, PE
 Support: Hatem Seliem, PE*
 Adnan Elsaad, PE*
 Greg Fussell, PE
 Osama Elsaad, PE*
 Ahmed Rageh, PE
 Jean Pierre Thompson
 Andres Rodriguez
 Dylan Boudreaux

B&N
 Lead: Edward M. Cinadr, PE*
 Support: Brendan Prendeville, PE*
 Michael Kronander, PE*
 James Appler, PE
 Luke Langdon
 Other staff (12)

F&T
 Lead: Russell Coco, P.E.
 Support: Joffrey Easley, PE*
 Levi Yantis, PE
 Brent Campbell
 Other staff (6)

Survey

F&T
 Lead: Bradley Holleman, PLS*
 Support: Russell Coco, P.E.
 Levi Yantis, PE
 Brent Campbell

Roadway

Stanley Consultants
 Lead: Jesse Tisdale, PE*
 Support: Adam Fields, PE*
 Jared Blohowiak*
 Kayla Lafitteau*
 Jackie Wood

Underwater Inspection

Specialty Diving of LA
 Lead: Marshall Whitmer
 Support: Paul Bartow
 Jeffrey Williamson
 Benjamin Swan
 Jameson Grames
 Jovon Evins
 Kenyatta Kalisana

Coating Inspection

KTA
 Lead: James Kretzler
 Support: Robert Lanterman

**Electrical and
Mechanic Inspection**

MCA
 Lead: Brian T. Miller, PE
 Support: John Hamm, PE
 Gregory DeCoursey
 Kenneth Wilson
 Justin LeCuyer

* Personnel meeting preconstruction work zone training



BURGESS & NIPLE

Consultants

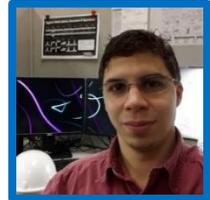
SDR: SDR Engineering Consultants, Inc.
 B&N: Burgess & Niple, Inc.
 F&T: Forte & Tablada, Inc.
 SC: Stanley Consultants, Inc.
 SDLA: Specialty Diving of Louisiana, Inc.
 KTA: KTA-Tator, Inc.
 MCA: Marrero, Couvillon&Associates, LLC

15. Minimum Personnel Requirements:

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

MPR No.	Personnel being used to meet the MPR	Firm employed by		Type of license / certification & number	State of license	License / certification expiration date
1	Mohsen Shahawy, PhD, PE	SDR Engineering Consultants, Inc.		PE.31465	LA	03/31/2023
2						
3	Zhiyong Liang, PhD, PE					
	Hatem Seliem, PhD, PE, PMP			PE.34873	LA	03/21/2022
				PE.39759	LA	09/30/2023
4	Russell Coco, PE, MBA	Forte and Tablada, Inc.		PE.31337	LA	09/30/2022
5	Bradley Holleman, PLS					

Firm employed by: SDR Engineering Consultants, Inc. 				
Name	Jean Pierre G Thompson		Years of relevant experience with this employer	2
Title	Bridge Engineer Intern / Inspector		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			BS / 2020 / Civil Engineering AAS / 2015 / Drafting and Design	
Active registration number / state / expiration date				
Year registered	2022	Discipline	FHWA-NHI-130055 Safety Inspection of In-Service Bridge	
Contract role(s) / brief description of responsibilities			Bridge inspection and rating	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Mr. Thompson is a bridge engineer Intern with experience primarily in bridge inspection, load test, design, load rating, detailing, and plan preparation. He has worked on various bridge types including concrete, prestressed concrete, timber, and steel.				
08/19 – Present	<p>H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA</p> <p>This project consisted of designing and producing construction plans for the superstructure and selected inverted T pier caps and columns for one on-ramp and one off-ramp of the U.S 90 Westbound elevated expressway. <u>Mr. Thompson’s responsibilities are as follows:</u></p> <ul style="list-style-type: none"> Analyzed various girder options based on existing conditions as well as proposed design Designed trapezoidal and I-beam girders for both ramps and analyzed under LADV-11 design vehicular loading in order to obtain the appropriate prestressing strand patterns as well as shear reinforcement configuration. Design of these girders were performed based on the specified standards of the AASHTO LRFD code specifications Developed detailed design drawings of plans, elevations, and appropriate sections for proposed girders, slabs, pier caps, and columns 			
05/20–Present	<p>H.014288.5-2: LA 82 Mermentau MB Rehab (G Chenier) (HBI), Cameron Parish, LA</p> <p>The bridge is located along Louisiana State Highway 82 and crosses Mermentau River at Grand Chenier in Cameron Parish. The bridge was built in 1959. The bridge main span is a swing steel low truss (Pony Truss) with a span length of 204 ft. The approaches comprise 26 concrete slab spans of 20 ft. span length, and eight (8) steel I-beam spans of 40 ft. span length. The total bridge length is 1049 ft. and has a roadway width of 24 ft. The current weight limit posted to the bridge is 10-15 tons. The major tasks were to inspect, and load test the bridge, and develop the rehabilitation plans to strengthen the bridge so that the posting can be removed. <u>Mr. Thompson’s responsibilities are as follows:</u></p>			



	<ul style="list-style-type: none"> • In-depth inspection of the bridge superstructure • Prepare rehabilitation plans • Structural analysis to strengthen the deficient members including floorbeams and stringers
01/20 – 06/21	<p>H.009859.5: Load Rating of 311 Bridges, Statewide, LA</p> <p>The scope of work was to analyze and load rate 311 existing off-system bridge structures. Bridge types consisted of Precast Prestressed Concrete, Reinforced Concrete Deck Girders, Reinforced Concrete Slab Spans, Precast Reinforced Concrete Slab Panel, Rolled Steel I Beam Spans, and Continuous and Simple Steel Plate Girder spans. The load rating was performed using AASHTOWare Bridge Rating Software for superstructure and using RC-Pier for substructures. <u>Mr. Thompson’s responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • Collecting required plans and inspection reports from LADOTD archives • Inputting and running analysis of the various spans using AASHTOWare • Load rating of substructures using RC Pier and Mathcad • Development of repair recommendations as necessary • Prepare the rating reports for final submittals.
09/20 - 02/21	<p>H.009730.5: Bridge Deck Evaluation Using Ground Penetrating Radar, Statewide, LA</p> <p>The goal of this project was to use ground penetrating radar (GPR) system to evaluate the overall deck condition of five selected bridges with bridge lengths up to 4.4 miles. The ground-coupled GPR was used to identify detailed deteriorations on or within concrete decks. The GPR was mounted on a vehicle driving at highway speed therefore the bridge deck could be evaluated without closing the traffic. <u>Mr. Thompson’s responsibilities and tasks were:</u></p> <ul style="list-style-type: none"> • Field inspection of bridge deck • Scan bridge deck with GPR • GPR data processing, and GPR data interpretation • Preparation of final deck evaluation reports
02/20–12/20	<p>H.009859.5: RC Box Culverts Testing and Rating, Statewide, LA</p> <p>The scope of work was to inspect and load test twelve (12) culverts to avoid posting on those culverts. The evaluation was carried out utilizing in-depth inspection, load rating analysis, and load testing coupled with detailed 3-D Finite Element Analysis. The culverts were all concrete type but with different sizes, fill heights, and soil types. <u>Mr. Thompson’s responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • Field inspection and evaluation of the culverts • Load test using strain sensors and calibration truck • Data analysis and final reports

16. Staff Experience:

Firm employed by: SDR Engineering Consultants, Inc. 					
Name	Mohsen Shahawy, PhD, PE		Years of relevant experience with this employer	25	
Title	Principal and COO		Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization		PhD / 1984 / Civil Engineering MS / 1981 / Civil Engineering BS / 1976 / Civil Engineering			
Active registration number / state / expiration date		PE.31465 / Louisiana / 03-31-2023			
Year registered	2004	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities		Principal in charge, design, management, QC/QA			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “Bridge Inspection”, “condition assessment”, “steel and concrete rehabilitation”, “Non-destructive Testing”, “Project Management”.				
Dr. Shahawy is the managing principal of SDR. He has 40 years of experience and has published over 180 papers in the areas of prestressed/reinforced concrete performance, LRFD Code issues related to shear performance, structural testing, evaluation, load testing and load rating of bridges, dynamic behavior of bridges, and bridge rehabilitation. He is a Co-author of the Prestressed Concrete Institute (PCI) Bridge Design Manual. He has led SDR’S team in the development of the DOTD Bridge Design and Evaluation Manual and in the development of the LG Girder Details and Design Standards . He has been responsible for the design of <u>more than 90 bridges with spans ranging up to 280 feet</u> , the production of conceptual reports for 40 bridges, and design peer reviews of more than 300 bridges for various authorities.					
08/19 – Present	H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA Scope of work was to provide two new on-ramp and off-ramp connection between the eastbound of West Bank Expressway (US 90-Z) and Frontage Road, demolish the existing off-ramp, and widen the US 90-Z bridge to accommodate the new ramps. The project consisted of providing all necessary engineering design services (Stage 3) required to construct the two separate ramp structures and the relocation of Frontage Road. To accommodate the new structures for the two ramps, Frontage Road required relocation along with utilities while maintaining all business access. Dr. Shahawy’s role(s): performed independent QC/QA of all structure elements and provided guidance to the project team to address review comments at every stage.				
10/16 – 04/21	H.002980: I-10 over US 165 and MP RR, Jefferson Davis Parish, LA Replacement of two I-10 bridge overpasses at US 165 and MP Railroad. East-bound total bridge length is 765 ft. comprising seven (7) spans. Four (4) spans were made one continuous unit; the other three (3) spans were continuous unit. Design included all elements of bridge structure along with required slope and embankment work. Replacement of the bridge involved complex construction phasing to <u>maintain traffic on the interstate</u>				

	<p>while removing the old structure and constructing the new bridge. To ensure design economy and accelerated construction, DOTD standard precast prestressed concrete girders (LG Girders) were used for the superstructure. Role: lead the development of the construction phasing and carry out QC/QA review of design.</p>
11/17 – 10/20	<p>H.011484: US-80 Texas Street Bridge Rehabilitation, Shreveport, LA The bridge consists of a main truss span comprised of two 182 ft. anchor spans and one 520 ft. steel cantilever span, six 102.75 ft. steel deck truss spans, one 91 ft. steel girder span, and 35 reinforced concrete deck girder approach spans of varying span lengths. The scope of work consisted of conducting NBIS element level inspection of the entire bridge, 3-D computer modeling and analysis of existing deficiencies, load rating based on existing conditions, developing scope of rehabilitation including cleaning and painting of steel trusses, design of epoxy-urethane overlay system on deck, CFRP repair of concrete spall for columns, caps and concrete beams, strengthening of steel truss span members, strengthening floor beams and gusset plates, repair of steel plate girder spans, and sealing of joints and pin replacement. Role(s): performed independent QC/QA of all above listed work elements and provided guidance to the project team to address review comments at every stage.</p>
10/18 – 02/21	<p>H.011487: LA 182 Over Atchafalaya River (Berwick Bay) Bridge Rehabilitation, Lafayette, LA The bridge, built in 1933, is a through truss carrying LA-182 over Atchafalaya River. The bridge consists of three main trusses with span length of 608 ft. each, two deck trusses with span length of 126 ft. each, and 40 concrete T-beam spans with span length of 40 ft. each. The work included performing in-depth inspection of the truss and concrete spans, NDT of the concrete T-beams, load rating the bridge based on observed deficiencies, 3-D modeling of computer models of the truss spans, analysis including design and developing repair details for the steel truss members, gusset plates, reinforced concrete T-beam and deck slab, prepare rehabilitation plans and technical special provisions and construction cost estimate. Role(s): independent QC/QA of all above listed work elements and provided guidance to the project team to address review comments at every stage.</p>
07/15 – 06/17	<p>Evaluation and Load Rating of Three Major Truss Bridges, Statewide, LA The scope of work included in-depth inspection and 3-D computer modeling of the truss spans to access existing deficiencies and performing load rating of three major truss bridges including the approach spans.</p> <ol style="list-style-type: none"> 1. Mississippi River Bridge at Vicksburg (4,210 ft) 2. Sunshine Bridge at Donaldsonville (3,327 ft) 3. I-10 Calcasieu River Bridge at Lake Charles (6,617 ft) <p>Role(s): Project Manager, lead engineer. Responsibilities included: QC review of all inspection reports, structural assessment of found deficiencies and determining effect of steel section loss for both members and gusset plates on load rating; developing structural modeling parameters and supervising the team developing the 3-D finite element model for the main truss using LUSAS; and load rating all elements of the truss spans.</p>

Firm employed by: SDR Engineering Consultants, Inc.



Name	Zhiyong Liang, PhD, PE		Years of relevant experience with this employer	13		
Title	Vice President		Years of relevant experience with other employer(s)	12		
Degree(s) / Years / Specialization			PhD / 2008 / Civil Engineering MS / 2004-2005 / Civil Engineering-Computer Science BS / 1996 / Civil Engineering			
Active registration number / state / expiration date			PE.34873 / Louisiana / 3-31-2022 FHWA-NHI Bridge Inspection Training			
Year registered	2009	Discipline	Civil Engineering-Structures			
Contract role(s) / brief description of responsibilities			Project management, bridge inspection, bridge design			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).					
<p>Dr. Liang’s experience focuses on bridge inspection, design, load rating, and conditions evaluation of steel and concrete bridges. He has been a Project Manager and Engineer of Records on many successfully competed bridge inspection, load rating, design, testing, and rehabilitation projects. With a diverse background in both Civil Engineering and Computer Science, he is an expert at operating different bridge inspection/testing equipment, performing data analysis, and developing software to assist in bridge analysis and data archiving. He has a very strong background in finite element modeling and data analysis, as well as hands-on experience at bridge sites. He served as the Lead Engineer in the development of the DOTD Bridge Design and Evaluation Manual (BDEM). He has also completed the FHWA-NHI Bridge Inspection Training and qualified as a bridge inspection manager/leader.</p>						
10/18–Present	<p>H.011487: LA 182 Over Atchafalaya River (Berwick Bay) Bridge Rehabilitation, Lafayette, LA The bridge consists of three (3) main trusses with span length of 608 feet each, two (2) 126 feet deck truss spans, and 40 concrete T-beam spans with length of 40 feet. The scope included inspection, load test, load rating, and rehabilitation design of the entire bridge. SDR is the prime consultant and <u>Dr. Liang served as the Project Manager overseeing the following tasks:</u></p> <ul style="list-style-type: none"> • Led the in-depth inspection and non-destructive test (NDT) using strain gauges. • Led load rating and rehabilitation scope development. • Led the rehab design and preparation of construction plans. 					
11/2015-10/2017	<p>H.011484: US-80 Texas Street Bridge Rehabilitation, Shreveport, LA The bridge consists of a main truss span comprised of (2) 182’ anchor spans and one 520’ steel cantilever span, (6) 102’-9” steel deck truss spans, (1) 91’ steel girder span, and (35) reinforced concrete deck girder approach spans of varying span lengths. <u>As the project manager, Dr. Liang was responsible for coordinating all activities with the DOTD Project Manager and participating in the following tasks:</u></p>					

	<ul style="list-style-type: none"> • Led the inspection and load rating activities. • Review the estimated quantities and prepare the final report. • Led design of the rehabilitation schemes and prepared the final plans. • Construction Support.
3/2015-8/2015	<p>H.009859.5: Inspection & Load Rating of 18 Load-Posted Complex Bridges, Statewide, LA</p> <p>This project was to assess 18 load-posted complex bridges that are located on state-approved truck routes, with the ultimate goal of eliminating their current postings. Bridge types include truss bridges, movable bridges, and pontoon bridges. The scope included collecting and compiling all pertinent information, load rating the bridges using standard analysis, performing an in-depth field investigation of the superstructures and substructures, analyzing, and rating deficient structures using refined 3-D FEM analysis, and providing a detailed evaluation report. Four movable bridges were assessed in this project.</p> <p>SDR was the prime consultant and Dr. Liang served as the Project manager overseeing the different tasks and leading the bridge inspection, assessment, and load rating.</p>
3/2010-5/2012	<p>H.005380.5: Evaluation and Load Rating of Three Major Truss Bridges, Statewide, LA</p> <p>This project was a complete evaluation and load rating of three major truss bridges including the approach spans: Mississippi River Bridge at Vicksburg (4,210ft), Sunshine Bridge at Donaldsonville (8,236ft), and I-10 Calcasieu River Bridge at Lake Charles (6,617ft). The bridges consisted of main steel truss spans, prestressed concrete or steel approach spans and reinforced concrete or steel bent caps. <u>Dr. Liang was the project manager and involved in every detail in this project:</u></p> <ul style="list-style-type: none"> • Determine the overall scope of the project and the major analysis methods/software to be used. • Review the inspection report and determine the effect of section losses and deficiencies on load rating. • Build the finite element model for the main truss and rate the truss members and gusset plates. • Load rate the approach spans using VIRTIS; load rate the substructure using RC-Pier and spreadsheets. • Write the final report and supervise the junior engineers.
06/86–10/00	<p>Complex Bridge Design/Rating, Statewide, FL</p> <p>Design and construction of complex bridges. Sample complex bridge projects include:</p> <ul style="list-style-type: none"> • Indian River, Vero Beach, FL, Bridge No. 880054 • Big Carlos bridge (#120028), Lee County, FL • Oakland Blvd., Ft. Lauderdale, FL, Bridge No. 860941 • Longboat bridge (#130057), Sarasota, FL • S.R. 706, Jupiter, FL, Bridge No. 930007 • Laurel street bridge (#105503), Tampa, FL

Firm employed by: SDR Engineering Consultants, Inc. 				
Name	Hatem Seliem, PhD, PE, PMP		Years of relevant experience with this employer	7
Title	Project Manager & Senior Structural Engineer		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		PhD / 2007 / Civil Engineering (Structural) MS / 2002 / Civil Engineering (Structural) BS / 2000/ Civil Engineering		
Active registration number / state / expiration date		PE.39759 / Louisiana / 09-30-2023		
Year registered	2014	Discipline	Civil Engineering-Structures	
Contract role(s) / brief description of responsibilities		Project Manager & Senior Structural Engineer		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Dr. Seliem is a <u>certified Project Management Professional (PMP)[®]</u> and served as project manager on large-scale projects to manage and coordinate subconsultants as well as in-house design teams, including roadway/bridge coordination, as well as other disciplines. Further, he is a senior structural engineer with over 15 years of experience of design and analysis of concrete structures and bridges.				
08/19–Present	H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA Scope of work is to provide two new, on-ramp and off-ramp connections between the eastbound of West Bank Expressway (US 90-Z) and Frontage Road, demolish the existing off-ramp, and widen the US 90-Z bridge to accommodate the new ramps. SDR provides all necessary engineering design services required to construct the two separate ramp structures and the relocation of Frontage Road. <u>Dr. Seliem’s responsibilities are as follows:</u> <ul style="list-style-type: none"> • Project Manager coordinating between SDR, subconsultants, and DOTD Project Manager. • Bridge Engineer of Record overseeing the structural design of the superstructure and substructure, deck drainage design, and construction cost estimate. 			
05/19–01/20	H.009859.5: Evaluation and Load Testing of Five Posted Bridges, Statewide, LA The scope of work was to evaluate five (5) bridges, three (3) of which are movable bridges, 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. <u>Dr. Seliem’s responsibilities were as follows:</u> <ul style="list-style-type: none"> • Inspection team leader conducting hands-on element inspection of superstructure and substructure. • Development of instrumentation planning, and review/validation of diagnostic load testing results. • Review of final reports and conveyance of results. 			
06/19–12/19	H.009730.5: Non-Destructive Evaluation of Two Movable Bridges, Terrebonne Parish, LA			



	<p>The scope of work was to evaluate two (2) movable bridges 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 diagnostic load testing coupled with detailed 3-D Finite Element Analysis with the aim of removing current load posting. <u>Dr. Seliem's responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • Review of 3-D FE model and analysis results. • Review of load testing results and its correlation to FE model as well as review of load rating models. • Develop final report and convey results to DOTD.
11/15-04/18	<p>H.011484: US 80 Texas Street Bridge Rehabilitation, Shreveport, LA</p> <p>The bridge, built in 1934, is a historic bridge which carries US 80 over the Red River at Shreveport, LA. The bridge consists of 45 spans with a total length of 2,895'. The approach spans consist of reinforced concrete T-beam girders, steel girders, and steel deck trusses. The main span consists of a three-span steel truss with a total length of 884'. Scope of work included in-depth inspection of the entire bridge structure; evaluation of the structural strength; load rating analysis of the deficient structure; and design of rehabilitation and construction plans production. <u>Dr. Seliem's roles were as follows:</u></p> <ul style="list-style-type: none"> • Structural analysis of the main span trusses using refined analysis. • Inspection team member conducting hands-on element inspection and ultrasonic testing of the steel pins. • QC/QA review activities: load rating analysis; evaluation report; design of truss members rehabilitation. • Construction support: site visits, review of shop drawings, and responding to RFIs.
08/13-08/15	<p>H.010016:US-11 Lake Pontchartrain Bridge Rehabilitation, New Orleans, LA</p> <p>This project focused on a historic bridge (built in 1928) carrying US-11 over Lake Pontchartrain. The bridge consists of 700 reinforced concrete spans and two (2) steel movable spans for a total length of 24,922'. The scope of work was to provide inspection, evaluation, and design services required for rehabilitation of all structural components of the concrete superstructure and substructure. <u>Dr. Seliem's roles were as follows:</u></p> <ul style="list-style-type: none"> • Participating in in-depth NBIS inspection of both the superstructure and substructure. • Performing finite element analysis and reviewing rehabilitation drawings.
01/13-04/15	<p>DOTD H.002281: LA 66 - Big Bayou Sara Bridge, West Feliciana Parish, LA</p> <p>The historic bridge (built in 1949) carrying LA-66 over Big Bayou Sara consists of five 100' steel pony truss spans and five 40' steel I-beam approach spans. Services provided included inspection and evaluation of the existing structure and design of rehabilitation system for the superstructure and substructure. The rehabilitation was composed of design of the concrete deck, girders, stringers, modifications to existing floor beams, and bearings. Responsibilities in this project included:</p> <ul style="list-style-type: none"> • Inspection of the superstructure and substructure elements. • Reviewing the final plans and developing the write-up for the Specifications of Non-Standard items.

Firm employed by: SDR Engineering Consultants, Inc.



Name	Adnan Elsaad, PE		Years of relevant experience with this employer	13	
Title	Senior Bridge Engineer & Bridge Inspector		Years of relevant experience with other employer(s)	20	
Degree(s) / Years / Specialization			BS /1981/ Civil Engineering FHWA-NHI-13055 Safety Inspection of In-Service Bridges		
Active registration number / state / expiration date			PE.34533/ Louisiana / 9-30-2021		
Year registered	2009	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Senior Bridge Engineer and Bridge Inspection Leader		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
<p>Mr. El-Saad has over 30 years of experience in bridge design, inspection, evaluation, and non-destructive testing. Mr. El-Saad has planned, instrumented, and executed over 120 bridge tests. He has strong experience in numerous activities for construction engineering inspection and design of AASHTO bridges and precast concrete segmental bridges. He has extensive experience and specialization in bridge design; detailed knowledge of both steel and concrete bridge design including concrete box culverts, mast arms, sign structures, foundation analysis, and retaining wall structures. He served as a lead bridge engineer for FDOT and TXDOT for 11 and 9 years, respectively.</p>					
10/18 – 02/21	<p>H.011487: LA 182 Over Atchafalaya River (Berwick Bay) Bridge Rehabilitation, Lafayette, LA The major through truss bridge carries LA 182 over the Atchafalaya River (Berwick Bay). The bridge consists of 47 spans with a total length of 3,746’. The approach spans consist of two (2) reinforced concrete slab spans, 40 reinforced concrete T-beam spans, and two (2) deck truss spans. The navigational spans consist of three (3) identical through truss spans. The substructure is comprised of concrete pile bents, two-column concrete bents, and concrete piers. Mr. Elsaad’s responsibilities are as follows:</p> <ul style="list-style-type: none"> • Inspection lead engineer with major tasks including gathering all pertinent structure related information, reviewing all existing records, developing in-depth inspection plans, performing NBIS element-level inspection of the entire bridge, instrumentation, and load testing of the approach concrete T-beam spans. • Lead designer of the substructure rehabilitation, bridge deck, concrete approach spans, and QC/QA of the superstructure rehabilitation. 				
05/20–Present	<p>H.014288.5-2: LA 82 Mermentau MB Rehab (G Chenier) (HBI), Cameron Parish, LA This is a swing truss bridge built in 1959, with span length of 204 ft on the truss span and a total bridge length of 1049 ft including the approach concrete slab spans and steel I-beam spans. The major tasks were to inspect, and load test the bridge, then develop the rehabilitation plans to strengthen the bridge so that the posting can be removed. Mr. Elsaad’s responsibilities are as follows:</p>				

	<ul style="list-style-type: none"> • Develop testing plan, install strain gauges, and perform load test. <p>Prepare rehabilitation plans.</p>
08/19 – Present	<p>H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA</p> <p>Scope of work is to provide two new on-ramp and off-ramp connection between the eastbound of West Bank Expressway (US 90-Z) and Frontage Road, demolish the existing off-ramp, and widen the US 90-Z bridge to accommodate the new ramps. The project consisted of providing all necessary engineering design services (Stage 3) required to construct the two separate ramp structures and the relocation of Frontage Road. To accommodate the new structures for the two ramps, Frontage Road required relocation along with utilities while maintaining all business access. SDR is the prime consultant and <u>Mr. Elsaad's responsibilities are as follows:</u></p> <ul style="list-style-type: none"> • Independent constructability review of construction plans. • Verification and review of construction cost estimate.
05/16 – 04/18	<p>H.011484: US 80 Texas Street Bridge over Red River Rehabilitation, Caddo Parish, LA</p> <p>The bridge consists of a main truss span, six deck truss spans, one steel girder span, and thirty-five reinforced concrete deck girder spans. Mr. Elsaad's responsibilities are as follows:</p> <ul style="list-style-type: none"> • Serving as Inspection lead engineer collecting all pertinent structure related information, performing NBIS element-level inspection of the entire bridge, performing NDT of the pins, coordinating traffic control and all required inspection equipment including snooper truck, boat access and manlifts. • Preparing a comprehensive report containing all inspection results. • Supporting the rehabilitation design of the concrete and steel members repairs.
06/19–12/19	<p>H.009730.5: Non-Destructive Evaluation of Two Movable Bridges, Terrebonne Parish, LA</p> <p>The scope of work was to evaluate two (2) swing movable bridges that are posted at 15-25 tons and 25-40 tons. The scope was carried out by load testing and Finite Element Analysis (FEA) for the controlling span(s) of the two bridges. <u>Mr. Elsaad responsibilities include</u> reviews of the existing documents, development of testing plan, field instrumentation of the bridges, and review of final reports. The two (2) movable bridges are:</p> <ul style="list-style-type: none"> • Recall No. 003390 (Steel Plate Girder Swing Span), Terrebonne Parish, LA • Recall No. 003432 (Steel Plate Girder Swing Span), Terrebonne Parish, LA
07/2017-03/20	<p>NBIS Bridge Inspections for FDOT& TXDOT</p> <p>The projects involved inspection and assessment of 486 bridges and 500 sign support structures, including routine and in-depth inspections. The inspection/evaluation reports included recommendations for rehabilitation/replacement with the associated costs. Served as lead engineer for the structure rehabilitation of four (4) movable bridges. The work also involved instrumentation and load testing of critical members controlling the load rating. The test results were incorporated in significant refinements in the design of the rehabilitation with associated reduction in construction costs.</p>

Firm employed by: SDR Engineering Consultants, Inc.



Name	Greg Fussell, ME, PE		Years of relevant experience with this employer	6		
Title	Bridge Engineer		Years of relevant experience with other employer(s)	0		
Degree(s) / Years / Specialization			ME / 2014 / Structural Engineering BS / 2013 / Civil Engineering			
Active registration number / state / expiration date			PE.0043706 / Louisiana / 03-31-2022			
Year registered	2019	Discipline	Civil Engineer			
Contract role(s) / brief description of responsibilities			Design, Analysis, Load Rating, Inspection, Drafting			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).					
<p>Mr. Fussell has over 6 years of experience as a bridge engineer. His current focus is primarily in the areas of bridge design, load rating, and rehabilitation with experience in bridge testing and inspection. His involvement on projects has included new bridge design, emergency repair projects, load rating evaluation and reporting, on-site construction support and inspection, and bridge instrumentation testing. Following are major projects on which he served as a lead engineer.</p>						
08/19 – Present	<p>H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA Scope of work is to provide two new on-ramp and off-ramp connections between the eastbound of West Bank Expressway (US 90-Z) and Frontage Road, demolish the existing off-ramp, and widen the US 90-Z bridge to accommodate the new ramps. The project consisted of providing all necessary engineering design services (Stage 3) required to construct the two separate ramp structures and the relocation of Frontage Road. To accommodate the new structures for the two ramps, Frontage Road required relocation along with utilities while maintaining all business access. SDR is the prime consultant and Mr. Fussell’s responsibilities are as follows:</p> <ul style="list-style-type: none"> • Lead the substructure design and plan development. • QC of drainage design, 3D modeling, superstructure design, and bridge quantities. 					
10/18 – 02/21	<p>H.011487: LA 182 Berwick Bay Bridge Rehabilitation, St. Mary, LA The major through truss bridge carries LA 182 over the Atchafalaya River (Berwick Bay). The bridge consists of 47 spans with a total length of 3,746’. The approach spans consist of two (2) reinforced concrete slab spans, 40 reinforced concrete T-beam spans, and two (2) deck truss spans. The navigational spans consist of three (3) identical through truss spans. The substructure is comprised of concrete pile bents, two-column concrete bents, and concrete piers. Mr. Fussell’s responsibilities included:</p> <ul style="list-style-type: none"> • Preparing the inspection report and rehabilitation recommendations. • Rehabilitation design of the approach deck truss spans, and main truss spans. • Led construction plans development. 					

05/16-04/18	<p>H.011484.5: US 80 Red River Bridge Inspection, Load Rating, and Rehabilitation, Shreveport, LA</p> <p>The US 80 Texas St. Bridge is a historic truss bridge in Shreveport, LA that has undergone inspection, load rating, and rehabilitation design. The complex structure consists of two 182' anchor spans and one 520' steel cantilever span, six 102'-9" steel deck truss spans, one 81' steel girder span, and 35 reinforced concrete deck girder approach spans of various lengths. Considering the inspection, the load rating was performed using AASHTOWARE Bridge Rating for the approach spans, deck truss spans, main truss spans, truss members, and gusset plates. <u>Mr. Fussell's responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • In-depth field investigation of the truss and approach spans, as well as the various column bents and piers. The entire structure was inspected by the SDR team to determine current conditions and critical members. • Preparation of the inspection report and organization of the inspection figures and tables. • The load rating was performed using AASHTOWARE Bridge Rating for the approach spans, deck truss spans, main truss spans, truss members, and gusset plates. • Considering the inspection and load rating findings, investigation of repair procedures such as heat straightening and paint containment systems for truss configurations. • Extensive drawings were developed using MicroStation for repair procedures of the superstructure and substructure, along with re-producing shop drawings of members to be repaired.
03/15-08/15	<p>H.009859.5: Load Rating of 18 Bridges, Statewide, LA</p> <p>The project involved the load rating of 18 existing load-posted bridges consisting of swing spans, concrete box girders, truss spans, and continuous steel plate girders to determine if the posting could be removed. This scope included collecting and compiling all pertinent information, load rating the bridges using standard analysis, performing an in-depth field investigation, analyzing, and rating deficient structures, and providing a detailed evaluation report. <u>Mr. Fussell's project tasks involved the following:</u></p> <ul style="list-style-type: none"> • In-depth field investigation to determine critical members, current structure conditions, and most efficient load rating procedure. • Extensive modeling of the structures using AASHTOWARE Bridge Rating and Midas for 3D FEM analysis. • Detailed reports were developed for each bridge to summarize the load rating results, along with posting recommendations based on the results.

Firm employed by: SDR Engineering Consultants, Inc.



Name	Sara Sotoud, PhD, PE		Years of relevant experience with this employer	5	
Title	Bridge Engineer		Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization			PhD / 2016 / Civil Engineering MS / 2008 / Structural Engineering BS /2004 / Civil Engineering		
Active registration number / state / expiration date			PE.0046133 / Louisiana / 3-31-2022		
Year registered	2021	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Bridge & Structural Engineer		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
<p>Dr. Sotoud is a bridge engineer in structural engineering. Her current work is primarily in bridge design, load rating, detailing, and quantity/cost estimate preparation. She has encompassed concrete, prestressed concrete, steel, and timber bridges, etc. in her professional career. She served as an engineer in the development of the DOTD Bridge Design and Evaluation Manual.</p>					
08/19 – Present	<p>H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA Scope of work is to provide two new on-ramp and off-ramp connection between the eastbound of West Bank Expressway (US 90-Z) and Frontage Road, demolish the existing off-ramp, and widen the US 90-Z bridge to accommodate the new ramps. The project consisted of providing all necessary engineering design services (Stage 3) required to construct the two separate ramp structures and the relocation of Frontage Road. To accommodate the new structures for the two ramps, Frontage Road required relocation along with utilities while maintaining all business access. SDR is the prime consultant and <u>Dr. Sotoud’s responsibilities are as follows:</u></p> <ul style="list-style-type: none"> • Task manager for the substructure design. • Analysis and design of pier caps, pier columns, walls, and drilled shafts. • Coordinating with the substructure team to assure the design is reflected on plans correctly. • Developing the comb book. 				
07/19-06/21	<p>H.012485.5: Load Rating Of 617 Off-System Bridges, Statewide, LA This project consisted of the analysis and load rating of 617 different types of off-system bridges statewide. Bridge structures include all types of timber spans, steel spans, and concrete spans. <u>Dr. Sotoud’s responsibilities and tasks were:</u></p> <ul style="list-style-type: none"> • Reviewed documents and plans of the bridges. • Prepared load rating reports for the bridges. • Quality control of the load rating work done by other engineers. 				

10/18-02/21	<p>H.011487: LA 182 Berwick Bay Bridge Rehabilitation, St. Mary, LA</p> <p>The major through truss bridge carries LA 182 over the Atchafalaya River (Berwick Bay). The bridge consists of 47 spans with a total length of 3,746'. The approach spans consist of two (2) reinforced concrete slab spans, 40 reinforced concrete T-beam spans, and two (2) deck truss spans. The navigational spans consist of three (3) identical through truss spans. The substructure is comprised of concrete pile bents, two-column concrete bents, and concrete piers. <u>Dr. Sotoud's responsibilities</u> included:</p> <ul style="list-style-type: none"> • Load rating of approach spans with reinforced concrete tee beams, deck truss, and main truss spans with floor-beams and stringer systems and gusset plates. • Preparing the inspection report and rehabilitation recommendations. • Rehabilitation design of the approach deck truss spans, and main truss spans. • Developing construction plans.
02/19-08/19	<p>H.009859.5: Load Rating of 27 Complex Bridges, Statewide, LA</p> <p>This project consisted of the analysis and load rating of 27 complex bridges including continuous steel spans, prestressed concrete spans, moveable spans, etc. located in Louisiana. <u>Dr. Sotoud's responsibilities and tasks</u> were:</p> <ul style="list-style-type: none"> • Reviewed documents and plans of the bridges. • Prepared load rating reports for the bridges. • Quality control of the load rating work done by other engineers.
05/16-04/18	<p>H.011484.5: US 80 Red River Bridge Inspection, Load Rating and Rehabilitation, Shreveport, LA</p> <p>The US 80 Texas St. Bridge is a historic truss bridge in Shreveport, LA that has undergone inspection, load rating, and rehabilitation design. The complex structure consists of two 182' anchor spans and one 520' steel cantilever span, six 102'-9" steel deck truss spans, one 81' steel girder span, and 35 reinforced concrete deck girder approach spans of various lengths. Considering the inspection, the load rating was performed using AASHTOWARE Bridge Rating for the approach spans, deck truss spans, main truss spans, truss members, and gusset plates. <u>Dr. Sotoud's responsibilities</u> were as follows:</p> <ul style="list-style-type: none"> • Load rating using AASHTOWARE Bridge Rating for the approach spans, deck truss spans, main truss spans, truss members, and gusset plates. • Considering inspection and load rating findings, investigation of repair procedures such as heat straightening and paint containment systems for truss configurations. • Developed extensive drawings using MicroStation for repair procedures of the superstructure and substructure, along with re-producing shop drawings of members to be repaired.

Firm employed by: SDR Engineering Consultants, Inc.



Name	Ahmed Rageh, PhD, PE		Years of relevant experience with this employer	2	
Title	Bridge Engineer and Bridge Inspector		Years of relevant experience with other employer(s)	9	
Degree(s) / Years / Specialization			PhD / 2020 / Civil Engineering – Structures MS / 2018 / Civil Engineering – Structures MS / 2012 / Civil Engineering – Structures BS /2006 / Civil Engineering – Structures FHWA-NHI-13055 Safety Inspection of In-Service Bridges		
Active registration number / state / expiration date			PE. 93229 / Florida / 02-28-2023		
Year registered	2022	Discipline	Civil Engineering – Structures		
Contract role(s) / brief description of responsibilities			Bridge Engineer & Inspection Team Leader		
Dr. Rageh is a bridge engineer with 11 years of experience in bridge design and evaluation. He has extensive experience and specialization in <u>bridge design with detailed knowledge of complex steel and concrete bridge, as well as bridge load rating, inspection, and full-scale testing.</u>					
03/21 – Present	H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA Scope of work is to provide new on-ramp and off-ramp connection between the eastbound of West Bank Expressway (US 90-Z) and Frontage Road, demolish the existing off-ramp, and widen the US 90-Z bridge to accommodate the new ramps. All necessary engineering design services (Stage 3) are included to construct the two separate ramp structures and the relocation of Frontage Road. Dr. Rageh’s responsibilities include: <ul style="list-style-type: none"> • Analysis, design and detailing of overhead sign cantilever trusses. • Perform QC/QA on the reinforced concrete deck design calculations and detailed plans. 				
03/21 – Present	H.009859.5: Load Rating of 176 On-System bridges, Statewide LA This project consists of the load rating of 176 bridges located in Louisiana. Most of them are culverts. The culverts were rated using the improved rating method developed by SDR. Dr. Rageh’s responsibilities include: <ul style="list-style-type: none"> • In-depth field inspection in accordance with NIBS standards. • Performing load rating of reinforced concrete box culverts. • Performing QC/QA on box culverts rated by other engineers. 				
08/21 – 01/22	Bridge No. 879092: Pedestrian Truss Bridge Over Florida Turnpike Access Road, Hard Rock Stadium, Miami Gardens, Florida The bridge is a single span steel prefabricated truss-type bridge with a total as-built length of 206’-7”. SDR’s responsibility was to perform independent peer review of the bridge components and mounted sign structures. Dr. Rageh’s responsibilities included:				

	<ul style="list-style-type: none"> • Performing 3D finite element and buckling analyses of the truss bridge. • Perform design verification of the truss bridge superstructure elements and connections.
07/14 – 07/15	<p>Egyptian Railway System Riveted Steel Bridges Assessment and Testing, Egypt, Countrywide</p> <p>The project involved full-scale testing and fatigue assessment of the major riveted steel truss bridges crossing the River Nile in Egypt. Bridges have total lengths between 296’ and 1,610’ with spans up to 295’ and height up to 30. Dr. Rageh’s responsibilities included:</p> <ul style="list-style-type: none"> • Performing in-depth field inspection of bridge elements and connections. • Managing the full-scale live load non-destructive field testing. • Performing 3D finite element analyses for the tested bridges. • Performing fatigue assessment for critical bridge elements and connections.
02/08 – 11/08	<p>El Maryoutya Roadway Steel Bridges, Giza, Egypt</p> <p>The bridge consists of cast-in-place concrete box and composite steel twin box girders with span length of 175’.</p> <p>Dr. Rageh’s responsibilities included:</p> <ul style="list-style-type: none"> • Performing 3D finite element analyses for the steel twin box girders. • Designing the steel elements and connections of box girders. • Developing detailed plans for the bridge superstructure including connections. • In-depth inspection of fabricated girders prior to transportation and construction support.
05/08 – 04/09	<p>Skyway TB1 Pedestrian Station Bridge, Cairo International Airport, Cairo, Egypt</p> <p>The bridge is a single span steel prefabricated truss-type bridge with a span length of 145’, designed to carry pedestrian on the moving walkway within the new airport expansion. Dr. Rageh’s responsibilities included:</p> <ul style="list-style-type: none"> • Performing 3D finite element analysis of the truss bridge. • Designing the steel elements and connections of truss bridge. • Developing detailed plans for the bridge superstructure including connections.
07/08 – 12/08	<p>El Gamalya Roadway Bridge, Dakahlia, Egypt</p> <p>The bridge consists of multi-steel plate girder of 130’ span with a composite cast-in-place concrete deck.</p> <p>Dr. Rageh’s responsibilities included:</p> <ul style="list-style-type: none"> • Performing analysis of the steel girders. • Designing the steel elements and connections of steel girders. • Developing detailed plans for the bridge superstructure including connections. • Reviewing the shop drawings submitted by the contractor. • In-depth inspection of fabricated girders prior to transportation and construction support.

Firm employed by: SDR Engineering Consultants, Inc. 				
Name	Osama Elsaad, ME, P.E.		Years of relevant experience with this employer	5
Title	Structural Bridge Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			ME / 2017 / Civil Engineering (Structural) BS / 2016/ Civil Engineering	
Active registration number / state / expiration date			PE. 45668 / Louisiana / 09-30-2021	
Year registered	2021	Discipline	Civil Engineering-Structures	
Contract role(s) / brief description of responsibilities			Structural Bridge Engineer	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Osama Elsaad focuses on load rating, bridge load testing, and evaluation of concrete bridges. He is involved in load rating analysis of concrete and steel bridges and assists in developing and reviewing reports. He has led and managed field bridge load testing and assisted in field inspection teams as well as instrumenting bridges.				
08/19 – Present	<p>H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA</p> <p>Scope of work is to provide two new on-ramp and off-ramp connection between the eastbound of West Bank Expressway (US 90-Z) and Frontage Road, demolish the existing off-ramp, and widen the US 90-Z bridge to accommodate the new ramps. The project consists of providing all necessary engineering design services (Stage 3) required to construct the two separate ramp structures and the relocation of Frontage Road. To accommodate the new structures for the two ramps, Frontage Road required relocation along with utilities while maintaining all business access. SDR is the prime consultant and <u>Osama Elsaad’s responsibilities</u> are as follows:</p> <ul style="list-style-type: none"> • Design concrete footings, drilled shafts, continuous flight auger piles, and curtain walls. • Plan development. • QC/QA review of bridge plans. • Construction cost estimate. 			
07/21 – Present	<p>H.014288: LA 82: Mermentau MB Rehab, Cameron Parish, LA</p> <p>The scope of work is to perform an in-depth inspection to evaluate the bridge and develop rehabilitation plans for all deficient steel members of the truss swing span, spalling of concrete approach slabs, and substructure.</p> <ul style="list-style-type: none"> • Osama Elsaad’s role was to perform an in-depth inspection of the entire superstructure and substructure to determine member locations to be repaired. 			
08/21 – Present	<p>H.009859: LA0001 Over Plaquemine Bridge, Iberville Parish, LA</p> <p>The scope of work was to perform an in-depth inspection to evaluate the bridge and propose rehabilitation solutions for all deficient steel members of the truss span, approach spans, and substructures.</p>			



	<ul style="list-style-type: none"> Osama Elsaad’s role was to perform an in-depth inspection of the entire superstructure and substructure to determine member locations to be repaired.
10/19 – 10/20	<p>H.012028: I-20 Over Lakeshore Drive and KCS RR, Caddo Parish, LA</p> <p>This project was to provide Stage 0 Design (Feasibility Study) for four (4) bridge structures of I-20 crossing over Lakeshore Drive and KCS Railroad in Shreveport, LA. Design of rehabilitation to improve the bridges’ conditions, service life, and load rating was carried out by SDR. Different rehabilitation options were designed and detailed. Cost estimate and rehabilitation plans were provided to assist DOTD in selecting the best cost-benefit option.</p> <ul style="list-style-type: none"> Osama Elsaad assisted in the in-depth inspection of the bridge superstructure and substructure in conformance to AASHTO Manual for Bridge Evaluation, DOTD bridge inspection manual and the NBIS.
05/19–01/20	<p>H.009859.5: Evaluation & Load Testing of Five Posted Bridges, Statewide, LA</p> <p>The scope of work was to evaluate five (5) bridges, three (3) of which are movable bridges, posted for a load lesser than the Legal Loads and/or Special Hauling Vehicles. The evaluation was carried out utilizing load rating analysis and non-destructive load testing coupled with detailed 3-D Finite Element Analysis with the aim of removing current load posting. <u>Osama Elsaad’s responsibilities were as follows:</u></p> <ul style="list-style-type: none"> Develop finite element bridge models. Develop instrumentation and load configuration plans. Instrument and field test deficient members. Update finite element model and AASHTOWare BrR models with adjustment factors. Develop final report with field test results and update load rating report based on load test.
03/19-08/19	<p>H.009859.5: Load Rating of 27 Complex Bridges, Statewide, LA</p> <p>The scope of work was to analyze and load rate 27 existing off-system bridge structures. The load rating was performed using AASHTOWare Bridge Rating Software following AASHTO Manual for Bridge Evaluation. The structure types consisted of swing bridges, pontoon bridges, and bascule bridges. <u>Osama Elsaad’s responsibilities were as follows:</u></p> <ul style="list-style-type: none"> Load rating analysis of complex bridges. Develop and review load rating reports.

Firm employed by: SDR Engineering Consultants, Inc.



Name	Feng Xie, MS, PE		Years of relevant experience with this employer	7	
Title	Bridge Engineer		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			MS / 2014 / Civil Engineering-Structures BS / 2012 / Civil Engineering-Structures FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers		
Active registration number / state / expiration date			PE.43987 / Louisiana / 3-31-2022		
Year registered	2019	Discipline	Civil Engineering-Structures		
Contract role(s) / brief description of responsibilities			Bridge Engineer and Load Rating Lead		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
Mr. Xie is a seasoned bridge engineer. His current work is primarily in bridge inspection, bridge design, rehabilitation and detailing, non-destructive testing, load testing, load rating, and quantity/cost estimate preparation. He has encompassed concrete, prestressed concrete, steel, and timber bridges, etc. in his professional career.					
05/21 – Present	H.014288.5-2: LA 82 Mermentau River MB (G Chenier) Bridge Rehabilitation, Cameron Parish, LA This 1,049’ movable bridge was built in 1959 and has been identified as a Preservation Priority Bridge. The main span of this bridge is a 204’ swing steel low truss span. Its approaches are comprised of 26 concrete slab spans of 20’ span length and 8 steel I-beam spans of 40’ span length. Feng Xie’s responsibilities include: <ul style="list-style-type: none"> • In-depth field inspection and evaluation of structural members. • Structural analysis and design of structural member strengthening details. • Task manager for the development of rehabilitation plan. 				
04/21 - 08/21	H.009859.5: Rehabilitation of LA 3094 Bridge, Shreveport, LA The LA 3094 (Hearne Ave) Bridge over Kansas City Southern RR is located in Bossier City and was built in 1977. The bridge is in bad condition and needs to be repaired. Feng Xie’s responsibilities and tasks were: <ul style="list-style-type: none"> • Development of instrumentation plan and load testing schedule. • Performed in-depth inspection of the structural members and identified structural deficiencies. • Load testing with dump trucks, processing test data, preparation of the inspection report. 				
09/20 - 02/21	H.009730.5: Bridge Deck Evaluation Using Ground Penetrating Radar, Statewide, LA The goal of this project was to use non-destructive test methods to evaluate the overall deck condition of five selected bridges: a 23,440’ continuous steel plate girder bridge; a 1,470’ continuous concrete deck girder bridge;				

	<p>a 465' welded I-Beam with composite concrete deck bridge; a 3,012' steel rolled I-beam suspended bridge; a 12,079' concrete prestressed AASHTO type girder bridge. Feng Xie's responsibilities and tasks were:</p> <ul style="list-style-type: none"> • Task manager for the work schedule and progress of the project. • Field inspection, GPR field measurement, GPR data processing, and GPR data interpretation. • Preparation of comprehensive deck evaluation reports.
09/19 - 01/20	<p>H.009859.5: Load Testing and Evaluation of Five Posted Bridges, Vermilion, Cameron parish LA The five bridges were posted for a load lesser than Louisiana State legal loads. This project consisted of load tests for these bridges. Load tests combined with detailed three-dimensional Finite Element Analysis revealed that these bridges can carry higher loads than those estimated by design codes. Feng Xie's responsibilities and tasks were:</p> <ul style="list-style-type: none"> • Development of instrumentation plan, load testing with dump trucks, and processing test data. • Review of documents and finite element analysis for the controlling spans.
02/19 - 08/19	<p>H.011487: LA 182 Berwick Bay Bridge Rehabilitation, Lafayette Parish, LA This project consisted of the inspection and development of a rehabilitation plan of deficient structural components for the Long-Allen Bridge. Feng Xie's responsibilities and tasks were:</p> <ul style="list-style-type: none"> • In-depth field investigations identifying deficient structural components. • Load rating of substructures, load testing, processing test data, and development of the rehabilitation plan.
06/16-07/17	<p>H.012302.6: Repair Of Us-61 Ramp "K" Bridge Over I-10, Ascension Parish, LA A curved steel girder in a bridge on US-61, ramp K over I-10 interstate, which is located in Ascension Parish was struck by an over-height truck. As a result, the girder was damaged. This project consisted of the evaluation of the damage and development of a rehabilitation plan. Feng Xie's responsibilities and tasks carried out include:</p> <ul style="list-style-type: none"> • In-depth field inspection. • Structural analysis and damage assessment. • Development of the repair plan. • Instrumentation, and monitoring the bridge before the removal of the damaged portion and after installation of the replacement segment.
01/16 - 07/17	<p>H.011484: US 80 Texas St. In-Depth Bridge Inspection and Rating, Shreveport, LA This project consisted of the in-depth inspection, load rating, and rehabilitation of the US 80 Texas Street truss bridge located in Shreveport, Louisiana. Feng Xie's responsibilities and tasks were:</p> <ul style="list-style-type: none"> • Performing in-depth field investigations following national bridge inspection standards (NBIS). • Reviewing the truss spans as well as approach spans' models while considering deterioration. • Preparation of inspection report and development of bridge rehabilitation plan.

Firm employed by: SDR Engineering Consultants, Inc.



Name	Andres (Andy) Rodriguez, ME, EI		Years of relevant experience with this employer	3
Title	Engineer Intern II		Years of relevant experience with other employer(s)	-
Degree(s) / Years / Specialization			ME / 2020 / Civil Engineering (Structural Focus) BS / 2018 / Civil Engineering	
Active registration number / state / expiration date			EI.0034329 / Louisiana / 3-31-2022	
Year registered	2019	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Pre-professional Staff Engineer	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
<p>Mr. Rodriguez is a pre-professional engineer with 3 years of experience in bridge engineering and in-depth bridge inspection. His current work consists of load rating, bridge detailing and design of ancillary structures, quantity/cost estimate preparation, conducting Non-Destructive Testing, and evaluation of load testing data. He has successfully completed and obtained certification from the FHWA/NHI Safety Inspection of In-Service Bridges course.</p>				
08/19 – Present	<p>H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA Scope of work is to provide two new on-ramp and off-ramp connection between the eastbound of West Bank Expressway (US 90-Z) and Frontage Road, demolish the existing off-ramp, and widen the US 90-Z bridge to accommodate the new ramps. The project consisted of providing all necessary engineering design services (Stage 3) required to construct the two separate ramp structures and the relocation of Frontage Road. To accommodate the new structures for the two ramps, Frontage Road required relocation along with utilities while maintaining all business access. SDR is the prime consultant and <u>Mr. Rodriguez’s responsibilities are as follows:</u></p> <ul style="list-style-type: none"> • Plan production/detailing of the Inverted-T Pier Caps and Columns. • Comprehensive bridge quantities review. • Assist in the design of Cantilever Overhead Sign Trusses and supporting Corbel Brackets. 			
05/21 – Present	<p>H.009859.5: Load Rating & Rehabilitation of LA 3094 Bridge Over KCS RR, Caddo Parish, LA The scope of work is to perform an in-depth inspection and evaluation of the steel superstructure deemed to be in critical condition and posted for a weight of 15-25 tons. The findings from the inspection were applied in the evaluation of the continuous superstructure consisting of utilizing load rating analysis and load testing coupled with detailed 3-D Finite Element Analysis. Based on the analysis of the load testing, SDR was tasked with providing detailed rehabilitation plans to maintain the structural integrity of the bridge for the remainder of its service life. <u>Mr. Rodriguez’s responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • Process and interpret load testing results. 			

	<ul style="list-style-type: none"> • Develop AASHTOWare model, incorporating section loss and conducted load rating analysis. • Develop Rehabilitation Plans and perform cost estimate/determine quantities. • Prepare final reports summarizing the findings from the load test(s) and determine the adequacy of the bridge's performance based on the field measurements.
09/19 – 06/21	<p>H.009859.5: Load Rating of 311 Bridges, Statewide, LA</p> <p>The scope of work was to analyze and load rate 311 existing off-system bridge structures. The load rating was performed using AASHTOWare Bridge Rating Software. The load rating consisted of concrete slab spans, steel spans, concrete girder spans, pile bents, and hammer head piers. <u>Mr. Rodriguez's responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • Perform load rating of concrete bridges and simply supported and continuous steel bridges. • Perform in-depth field inspection & collect field measurements of bridges with missing plans. • Collect rebar data of concrete structures with missing plans using Ground Penetrating Radar (GPR). • Develop and review load rating reports.
10/19 – 10/20	<p>H.012028: I-20 over Lakeshore Drive and KCS RR, Caddo Parish, LA</p> <p>This project was to provide Stage 0 Design (Feasibility Study) for four (4) complex bridge structures of I-20 crossing over Lakeshore Drive and KCS Railroad in Shreveport, LA. Design of rehabilitation to improve the bridges conditions, service life, and load rating was carried out by SDR. Different rehabilitation options were designed and detailed. Cost estimate and rehabilitation plans were provided to assist DOTD in selecting the best cost-benefit option. <u>Mr. Rodriguez's tasks were as follows:</u></p> <ul style="list-style-type: none"> • Consolidate all pertinent inspection data in an organized fashion. • Determine quantities of the defects and perform a cost-estimate of the expected repairs. • Complete Stage-Zero Checklist documents. • Prepare final report of the Stage Zero Study.
11/19–10/20	<p>H.009859.5: Evaluation & Load Testing of Substructure of Nine Bridges, Statewide, LA</p> <p>The scope of work was to evaluate nine (9) substructures to determine the actual settlement of the substructures through proof load testing. The evaluation was carried out utilizing load rating analysis and load testing coupled with detailed 3-D Finite Element Analysis. The settlement of every pile of the critical bent was measured using LVDT displacement devices. <u>Mr. Rodriguez's responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • Develop substructure models using RC-Pier. • Coordinate and procure services relevant to the load test (Traffic Control, etc.). • Process and interpret load testing results. • Prepare final reports summarizing the findings from the load test(s) and determine the adequacy of the bridge's performance based on the field measurements.

Firm employed by: SDR Engineering Consultants, Inc. 				
Name	Dylan Boudreaux		Years of relevant experience with this employer	2
Title	CAD/Engineering Technician		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		AAS / 2019/ Drafting & Design Technology FHWA-NHI-130055: Safety Inspection of In-Service Bridges		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Engineering Technician, Inspection, Instrumentation, and Load Test		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
Dylan is a highly talented engineering technician with engineering knowledge and expertise in inspection and fieldwork.				
08/20 – Present	<p>H.011309: MacArthur Interchange Completion, Phase II, Jefferson Parish, LA</p> <p>Scope of work is to provide two new on-ramp and off-ramp connection between the eastbound of West Bank Expressway (US 90-Z) and Frontage Road, demolish the existing off-ramp, and widen the US 90-Z bridge to accommodate the new ramps. The project consists of providing all necessary engineering design services (Stage 3) required to construct the two separate ramp structures and the relocation of Frontage Road. SDR is the prime consultant and <u>Mr. Boudreaux’s responsibilities are as follows:</u></p> <ul style="list-style-type: none"> • Produce technical drawings for transition piers, cap reinforcement, drainage design and deck design per engineer instruction. • Calculate quantities for drawings. 			
03/21 – present	<p>H.009859.5: Load Rating and Rehabilitation of LA 3094 Bridge Over Kansas City Southern RR, Shreveport, LA</p> <p>The scope of the work is to provide evaluation, design, and rehabilitation plans to repair and/or strengthen the deficient members. SDR performed load test for the controlling span(s) using trucks with calibrated weight. The test spans shall be instrumented prior to placing the calibrated truck on the bridge. Test results combined with Finite Element results will be utilized to determine the rehabilitation and/or strengthening methods. <u>Mr. Boudreaux’s roles were as follows:</u></p> <ul style="list-style-type: none"> • In-Depth inspection of main spans and approach spans. • Preparation of materials and equipment for non-destructive field testing. • Review plans for strain gauge locations with lead Field Engineer. 			



	<ul style="list-style-type: none"> • Installing and organizing gauges in field on structure for testing. • Verifying axle spacing on trucks used for test and obtaining a copy of truck weight certificate. • Positioning trucks during testing in proper positions to ensure accurate data collection.
04/21 – 06/21	<p>H.009730.5: LA1 over Plaquemine Bridge Testing, Iberville Parish, LA</p> <p>The bridge main span is a Steel High Truss with a span length of 150'. The approach comprises of ten (10) steel I-beam spans of 30' span length. The scope of work was to perform load tests coupled with Finite Element Analysis for the deficient members with the aim of removing load posting and/or determining the required strengthening. <u>Mr. Boudreaux's responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • In-depth inspection of the main span and approach spans. • Preparation of materials and equipment for non-destructive field testing. • Review plans for strain gauge locations with engineers. • Installing and organizing gauges in the field on structure for testing. • Verify axle spacing on trucks used for testing and obtaining a copy of the truck weight certificate . • Positioning trucks during testing in proper positions to ensure accurate data collection.
08/20 – 12/20	<p>H.009730: Deck Evaluation Using Ground Penetrating Radar (GPR)</p> <p>The main purpose of this project was to use air launched GPR to evaluate the overall deck condition of selected bridges. The ground coupled GPR may be used in limited areas to verify its efficiency to identify detailed deteriorations on or within concrete decks. <u>Mr. Boudreaux's responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • Set up GPR for testing; assembling and testing to ensure proper function. • Field evaluation on bridge decks using GPR.
07/20 – 09/20	<p>H.009859.5: Evaluation and Load Testing of Substructure of Nine Bridges, Statewide, LA</p> <p>The scope of this project was to carry out load testing and develop Finite Element Analysis (FEA) for the controlling bent with the aim of evaluating the settlement of piles under legal loads. <u>Mr. Boudreaux's responsibilities were as follows:</u></p> <ul style="list-style-type: none"> • Preparation of materials & equipment for non-destructive field testing. • Review plans for LVDT and strain gauge locations with lead Field Engineer. • Installing and organizing gauges in field on structure for testing. • Verify axle spacing on trucks used for test and obtaining a copy of truck weight certificate. • Positioning trucks during testing to ensure accurate data collection.



Firm employed by		FORTE & TABLADA	
Name	Russell “Joey” Coco, P.E., MBA	Years of relevant experience with this employer	14
Title	President/CEO	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BSCE / 2000 / LSU MBA / 2006 / LSU Coastal Engineering Certificate / 2008 / Old Dominion University	
Active registration number / state / expiration date		31337 / LA / 09/30/2022	
Year registered	2004	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Principal-in-Charge for Forte and Tablada staff	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
5/21- Ongoing	H.003931- Calcasieu River Bridge Route I-10, Calcasieu Parish, LA- Principal in Charge to obtain an underwater scan of I-10 over the Calcasieu River in Lake Charles. This scan allows us to not only map the bathymetry of the river bottom but also conditions at piles such as scouring and debris.		
06/17-2/19	Amite River Basin Model- Hydrographic Survey- Livingston Parish, LA- Principal-in-Charge to provide hydrographic surveying of the Amite River and Comite River. Tasks included typical cross-sections of these rivers, as well as detailed 3-D bathymetric data collected with sonar equipment, ground control for LIDAR of the Amite River Basin, and a high-resolution survey of the Amite River Diversion Weir utilizing a variety of techniques including multi-beam sonar and traditional survey methods.		
08/19 –01/21	Amite/Blind River Survey, Livingston Parish, LA- Principal In Charge for hydrographic surveying for the mouth of the Amite and Blind River in Livingston Parish. Forte and Tablada captured bathymetric profile and cross section data in the Amite and Blind River near the mouth of each river at Lake Maurepas. Bathymetric data was also collected in Lake Maurepas near the mouth of both rivers and adjacent lake banks to determine dredging spoil areas. The water bottom measurements were taken using a single beam sonar in conjunction with a GPS unit utilizing base corrections via LSU C4G base network.		
05/16-10/18	Belle Chasse Bridge and Tunnel Replacement Hydrographic Survey- Plaquemines Parish, LA- Principal-in-charge for comprehensive topographic surveying services for the Belle Chasse Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway surfaces, and multi-beam 3-D hydrographic surveying.		
03/18-Ongoing	LA DOTD Retainer Contract for Off-System Bridge Load Rating – Statewide, LA – QA/QC review engineer for a retainer contract that includes multiple Task Orders to inspect and load rate off-system bridges and culverts across the state. Task Order 1 – Inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges; Task Order 2 – Inspection and load rating of approximately 200 off-system bridges, consisting primarily of slab spans; Task Order 4 –Inspection and load rating of approximately 300 off-system bridges, consisting primarily of slab spans, but also including concrete and steel girder spans.		
03/14-03/17	Load Rating of On-System Bridges – Statewide, LA – LA DOTD – QC/QA review engineer for over 200 slab span and girder bridges across Louisiana. Utilized Virtis load rating software.		

06/16-04/20	St. Tammany Parish Off-System Bridge Load Ratings, St. Tammany Parish, LA – QC/QA review engineer for the data collection, inspection, and load rating of numerous slab span, girder, and railcar bridges in St. Tammany Parish.
11/16-10/20	Livingston Parish Off-System Bridge Load Ratings – Livingston Parish, LA – QC/QA review engineer for the inspection and load rating of numerous existing slab span bridges and culverts in Livingston Parish In accordance with FHWA Metric 13, which requires a current load rating of all Off-System bridges.
04/11-10/16	Iberville Parish Bridge Ratings and Prioritization – Iberville Parish, LA – Served as a project engineer for continued off-system bridge ratings, repairs, and repair/replacement prioritization recommendations for Iberville Parish.
05/19-09/19	H.000303.6-Danziger Bridge Rehabilitation - Orleans Parish, LA - Principal overseeing survey investigation of Danziger Bridge. Included laser scanning and comparison of actual conditions to original plans.
10/18 - 12/18	4400010587- Sunshine Bridge Repair- St. James Parish, LA- DOTD- Principal overseeing topographic surveying and terrestrial LIDAR services for the LA DOTD Sunshine Bridge Emergency Repair project following the severe impact of a barge mounted crane with the lowest horizontal bridge chord.
11/19 - 11/20	S.P. No. H.012083.5- Calcasieu River Bridge Investigation- Calcasieu Parish, LA- DOTD- Principal overseeing laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA.
08/19-Ongoing	H.011670-I-10/Loyola Interchange Improvements - Kenner, LA – Principal-in-Charge overseeing Topographic Survey, Right-of- Way Survey, and Drainage Survey. The project stretches from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd.
11/18-04/19	H.011684.5-LA 327 Spur: Staring Lane Extension – East Baton Rouge Parish – Principal-in-Charge for comprehensive topographic surveying services and developing a drainage map for the Staring Lane Extension project for LA DOTD. Included in this work was a survey performed utilizing traditional methods and terrestrial laser scanning of roadway surfaces.
01/10-12/12	I-10: Siegen Lane to Highland Road Design Build ITR — East Baton Rouge Parish, LA – LA DOTD – Served as leader of Independent Technical Review of all bridge structures.
09/17-12/19	S.P. No. H.011808.5- Palmetto Co. Canal Bridge - St. Landry Parish, LA - Principal-in-Charge to provide property surveys, title take-offs, and right-of-way map services for the removal and replacement of a timber trestle bridge that spans Bayou Des Glaises, located along La. Hwy. 10 in St. Landry Parish near the town of Palmetto, La.
01/09-12/10	I-12: O’Neal Lane to Range Road Design Build ITR – East Baton Rouge Parish, LA – LA DOTD – Served as leader of Independent Technical Review of all bridge structures.
01/09-12/10	S.P. Nos. 454-01-0047 & 454-02-0025- I-12: O’Neal Lane to Range Road Design Build ITR – East Baton Rouge Parish, LA – LA DOTD – Served as leader of Independent Technical Review of all bridge structures.
03/15-02/18	Holly Drive Bridge Replacement, St. Tammany Parish, LA – Served as a project principal for an existing timber bridge replacement in St. Tammany Parish.
03/15-07/15	Bossier Parish Bridge Priority Study, Bossier Parish, LA – Served as the project manager and engineer for prioritizing the repair and maintenance of twelve bridges owned by Bossier Parish Police Jury.
12/14-11/15	Westdale Road Bridge over Bayou Pierre, DeSoto Parish, LA – Served as a project principal for laser scanning, inspection, and repair plans for an existing closed bridge.

Firm employed by				
Name	Joffrey Easley, M.S., P.E.		Years of relevant experience with this employer	14
Title	Project Manager		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		BSCE / 2000 / LSU MSCE / 2003 / LSU		
Active registration number / state / expiration date		31542 / LA / 03/31/2023		
Year registered	2004	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Project Engineer		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
03/18-Ongoing	LA DOTD Retainer Contract for Off-System Bridge Load Rating – Statewide, LA – Project Manager, Load Rating Engineer, and Team Leader for a retainer contract that includes multiple Task Orders to inspect and load rate off-system bridges and culverts across the state. Task Order 1 – Inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges; Task Order 2 – Inspection and load rating of approximately 200 off-system bridges, consisting primarily of slab spans; Task Order 4 – Inspection and load rating of approximately 300 off-system bridges, consisting primarily of slab spans, but also including concrete and steel girder spans.			
03/14-03/17	Load Rating of On-System Bridges – Statewide, LA – LA DOTD – Load rating engineer for over 200 slab span and girder bridges across Louisiana. Utilized Virtis load rating software.			
05/16-10/19	Retainer Contract for Complex Bridge Rating, Statewide, LA- LA DOTD- Project Manager to perform a load rating for the US 90 West Middle River Bridge near the Louisiana/Mississippi border. A detailed inspection of the steel through-trusses was also provided.			
06/16-04/20	St. Tammany Parish Off-System Bridge Load Ratings, St. Tammany Parish, LA - Project Manager to collect all available bridge files from all available resources, including DOTD and Parish records, for numerous slab span, girder, and railcar bridges in St. Tammany Parish and perform inspections and load ratings for the bridges.			
11/16-10/20	Livingston Parish Off-System Bridge Load Ratings – Livingston Parish, LA – Inspection and load rating of numerous existing slab span bridges and culverts so that Livingston Parish would follow FHWA Metric 13, which requires all Off-System bridges to be load rated.			
04/18-09/18	Tangipahoa Parish Off-System Bridge Load Ratings – Tangipahoa Parish, LA – Inspection and load rating of 2 railroad flatcar bridges and a slab span bridge to comply with FHWA Metric 13, which requires a load rating of all Off-System bridges.			

05/20-07/20	St. James Parish Off-System Bridge Load Rating – St. James Parish, LA – Inspection and load rating of a slab span bridge to comply with FHWA Metric 13, which requires a load rating of all Off-System bridges.
08/19-02/20	LA DOTD Retainer for In-Depth Bridge Inspections – Simmesport, LA – Inspection of the approach spans, consisting of rolled steel and plate girder spans supported by column bents, of the LA 1 bridge over the Atchafalaya River.
04/11-10/16	Iberville Parish Off-System Bridge Load Ratings and Prioritization – Iberville Parish, LA – Inspection and load rating of 42 existing off-system bridges so that Iberville Parish would follow FHWA Metric 13, which requires all Off-System bridges to be load rated. Also developed a repair and replacement report for all bridges.
12/12-Ongoing	Cook Road Expansion – Designed and produced plans for new bridges over Gray’s Creek to provide additional access to the Juban Crossing shopping center by extending Cook Road off of Pete’s Highway. Bridge includes special details to accommodate sidewalks for pedestrian use.
10/18 - 5/19	H.000445.1-1- US 190 over UPRR and Little Teche Bayou, St. Landry Parish, LA - Project Engineer for this project that developed a scoping document for the replacement or rehabilitation of the EB and WB US 190 bridges over the Union Pacific Railroad (UPRR) near I-49 and over Little Teche Bayou in St. Landry Parish, LA. Based on the findings, a Bridge Evaluation Report outlining the feasibility and preliminary cost estimates for several construction phasing alternatives, as well as a recommended scope of work, was developed.
11/14-08/16	Westdale Road over Bayou Pierre Repairs – DeSoto Parish, LA – Inspected, laser scanned, developed plans, and provided construction administration services for the repairs of a timber bridge that had been closed due to its deteriorated condition. Provide a load rating following the completion of the repairs. Repairs allowed the bridge to be re-opened to vehicular traffic.
01/16 - 01/21	Whittington Road Bridge Replacement – Livingston Parish, LA – Design engineer for the replacement of an existing timber bridge over Grays Creek with a new concrete slab span bridge through the DOTD off-system bridge replacement program.
12/13-05/14	Million Dollar Road Bridge Rating – St. Tammany Parish, LA – Served as a rating engineer for load rating of a slab span bridge in St. Tammany Parish. Utilized Virtis load rating software.
06/15-06/16	East Baton Rouge Parish Bridge Replacements – Provided design services and load rated multiple slab span bridges that incorporated sidewalks. Design services included determination of pile loads, superstructure and substructure design, and independent technical review of completed plans.
05/13-12/14	Musson Lane Bridge Replacement, Iberville Parish, LA – Performed a detailed structural inspection and load rating of the existing bridge constructed of precast concrete spans and timber caps and piles. Developed plans and specifications for the replacement of the existing bridge with a new precast concrete slab span bridge.
02/13-11/14	2012 Livingston Parish Bridge Replacement Program – Replacement of seven bridges with precast concrete slab spans and precast concrete arch bridges in an effort to improve drainage. Reviewed final plans and designed precast concrete arch bridge substructures.

Firm employed by			
Name	Levi Yantis, P.E.	Years of relevant experience with this employer	7
Title	Project Manager	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BSCE / 2013 / LSU	
Active registration number / state / expiration date		42390 / LA / 09/30/2022	
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Project Engineer / Bridge Inspector	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
02/22-Ongoing	Ascension Parish Load Ratings – Ascension Parish, LA – Team leader for the inspection of Ascension Parish owned bridges. Also serving as the lead load rating engineer for the bridges after inspection.		
01/22-Ongoing	Mall of Louisiana Boulevard Modified Bent Redesign – East Baton Rouge Parish, LA – Redesigning a bent cap that had a pile misdriven during PDA. Pile load checks and a modified bent load rating were performed also.		
03/18-Ongoing	LA DOTD Retainer Contract for Off-System Bridge Load Rating – Statewide, LA – TO1 – Led and assisted in 12 complex moveable bridge inspections and load ratings throughout the state. The bridge types included a single leaf bascule span, a vertical lift truss span, several steel vertical lift spans, multiple pontoon bridges, a steel plate girder swing bridge, a small steel truss/cable swing span, and a non-moveable steel truss. Task Order 2 – Led and supervised the load ratings of 200 off-system slab span bridges throughout the state of Louisiana. To avoid posting bridges lower than necessary, bridge inspections were done for several bridges that had severe deterioration noted in their inspection reports to collect additional deterioration measurements to accurately determine the bridge member’s load carrying capacity. Task Order 5 – Load testing and refined load rating analysis of slab span bridges and culverts that previously received low or closed load postings.		
03/21-10/21	TDOT Complex and Standard Bridge Load Ratings – Statewide, TN - Oversaw a team of load raters performing 35 AASHTOWare BrR load ratings in 4 months and was responsible for the quality control of the model inputs and outputs, troubleshooting bridge models, and assisting in load ratings. The bridge types rated using AASHTOWare BrR software were prestressed I-beams and box girders, reinforced concrete multi-cell box bridges, reinforced concrete T-beams, continuous steel plate girders, and steel girder-floorbeam-stringer systems.		

01/20-10/21	LA DOTD Retainer for Complex In-Depth Bridge Inspections – Statewide, LA – Served as Team Leader for the structural, mechanical, and electrical in-depth inspections for multiple movable bridges. Bridge types included vertical lift span bridges and steel swing bridges (through girders and through trusses). Also served as the task manager for preparing the in-depth inspection reports. There was also a task order under this contract to perform emergency repairs on an US 71 Bridge in Shreveport, LA. Led the superstructure design for the emergency repairs.
01/20-10/21	Florida Department of Environmental Protection (FDEP), Palatka Trail Pedestrian Bridge - Served as lead structures designer for a two-span, 210’ structure over US-601. The two-span structure includes the design of FIB concrete girders with an intermediate hammerhead pier, pile supported stub abutments and wrap-around MSE retaining walls.
01/20-12/20	TDOT Complex Bridge Load Ratings – Statewide, TN – This project was to load rate a total of 41 complex bridges within a short time period to help the State meet a critical FHWA Deadline. Levi was involved in the quality control process of multiple bridge load ratings.
06/16-04/20	St. Tammany Parish Off-System Bridge Load Ratings, St. Tammany Parish, LA – Led and assisted in bridge inspections and served as the load rating engineer for bridges throughout the parish of St. Tammany. The bridge types include slab spans, prestressed girder spans, and bridges constructed from retired railroad flatcars.
05/16-10/19	Retainer Contract for Complex Bridge Rating, Statewide, LA- LA DOTD – Bridge inspector and load rater for a through truss bridge over a branch of the Pearl River. The bridge consisted of 3 pony truss spans and reinforced concrete T-beams and was load rated utilizing AASHTOWare BrR, Leap Bridge Concrete and Mathcad software.
11/18-12/18	Port of New Orleans, St. Claude Avenue Bridge Permit Load Rating, New Orleans, LA - Performed a permit load rating for an overload vehicle to safely pass the single bascule span on St. Claude Avenue.
03/14-03/17	LA DOTD Load Rating of On-System Bridges – Statewide, LA – LA DOTD – Assisted in load rating of approximately 200 existing bridges across the state of Louisiana. Bridges range from slab span bridges on local roads to elevated curved steel interstate bridges in metropolitan areas.
12/17-Ongoing	Cook Road Expansion – Slab span superstructure and pile bent substructure design. Also assisted in the bridge plan development.
12/13-05/14	Million Dollar Road Bridge Rating – St. Tammany Parish, LA – Assisted in the field inspection of the bridge and carried out the structure’s substructure load rating.



Firm employed by		FORTE & TABLADA	
Name	Bradley S. Holleman, P.L.S., E.I.	Years of relevant experience with this employer	1
Title	Senior Vice President, Survey/Advanced Measurements & Modeling	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization	BSCE /2009 / Civil Engineering		
Active registration number / state / expiration date	5082 / LA / 9/30/2022		
Year registered	2012	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities	Surveyor		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
05/12–09/12	H.009456 – Tchefuncte River Bridge – Surveyor-in-Charge for the topographic survey and existing drainage map. This project was for a bridge replacement over the Tchefuncte River in Tangipahoa Parish. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.		
01/13–09/13	H.009489 Jefferson Highway Overpass - Surveyor-in-Charge for the bridge monitor survey, topographic survey, and existing drainage map. This project was monitoring and the overpass replacement of Jefferson Highway over Airline Highway in East Baton Rouge Parish. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.		
07/13–10/13	I-12 to Bush Route La 3241 Survey Control – Surveyor-in-Charge for setting the primary static control and digital levels for future phases of the project. This project was for the construction of a new connecting route from Interstate 12 to Bush Louisiana. The work consisted of setting deep rod monuments along the proposed route and conducting over 40 miles of digital levels between the deep rod monuments.		
09/13–03/14	H.002375 Amite River Bridge Near French Settlement – Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for constructing a new bridge over Amite River in French Settlement Louisiana to the replace the existing swing bridge. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.		
09/14-02/15	H.011158 LA 3139 – Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for constructing a replacement span because of a damaged girder on the LA 3139 overpass over I-10. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.		

12/14-03/16	H.011137 & H.011152 I-12 (LA 21 to LA 59), St. Tammany Parish, LA – Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
09/15-11/15	H.011923 Hooper Road Roundabout at Sullivan Road – Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for construction of a roundabout at Hooper Road and Sullivan Road in East Baton Rouge Parish. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
06/16-02/17	H.000263 Chef Menteur Pass Bridge - Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for the design of new bridge to replace the existing swing bridge on US 90 over Chef Menteur Pass. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
03/17-03/18	H004987 US 190 Collins Blvd, St. Tammany Parish, LA - Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for the design of capacity improvements on US 190 in Covington. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
05/18-11/18	I-10: Loyola Interchange Improvements, Kenner, LA - Surveyor-in-Charge for the control survey, utility survey and 3D mobile laser scanning. This project was for the design of new exit for the New Orleans Airport. The work consisted of completing a utility and control survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths that fell within the survey limits.
06/20-12/20	4400017597 DOTD Rural Bridge Replacement - Surveyor-in-Charge for the topographic survey. This project was for design of multiple bridge replacements throughout south Louisiana. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
01/18 – 04/20	H.004100 I-10: LA 415 to Essen Lane - Surveyor-in-Charge for the topographic survey and 3D Mobile laser scanning. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
04/20 – 11/20	H.000688 US 11 Norfolk Southern RR Overpass - Surveyor-in-Charge for the topographic survey and 3D Mobile laser scanning. This project was for the design of a new US 11 overpass over Norfolk Southern Railroad. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.



Firm employed by		FORTE & TABLADA	
Name	Brent M. Campbell	Years of relevant experience with this employer	8
Title	Advanced Measurements and Modeling Technician	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2013 / Construction Management	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Advanced Measurements and Modeling	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
9/21	Westbank Closure Complex Multi-Beam Hydrographic Survey, Belle Chasse, LA - Utilizing a shallow draft vessel equipped with advanced multi-beam sonar equipment, Forte and Tablada performed a comprehensive survey extending bank-to-bank of the station and beyond the protection fenders for a global depiction of scour. Scour results were presented in a color ramped elevation map, as well as imagery showing the presence of debris on an intake screen. Brent served as Advanced Measurements technician for the project.		
1/20 - 10/20	H.012588, H.012169, H.012587 I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415- West Baton Rouge & Iberville Parishes - AMM Technician for complete topographic survey, approximately 18.3 miles, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.		
10/19-10/20	H.012485.1- Inspection of Metal Culverts- Statewide, LA - Laser scanning technician to provide inspections and data acquisition for approximately 230 culvert locations statewide. Culvert measurements were acquired with a mixture of 3-D laser scanning, sonar, and LIDAR.		
12/19 – 9/20	H.011970- Bayou Terrebonne Bridges – Responsible for laser scanning the Bayou Terrebonne bridge along with the entire intersection and adjacent roads.		
05/19-09/19	H.000303.6- Danziger Bridge Rehabilitation, Orleans Parish, LA - Laser scanning and project technician for survey investigation of Danziger Bridge. Included laser scanning and comparison of actual conditions to original plans.		
05/17-10/18	H.004791.5- Belle Chasse Bridge and Tunnel Replacement Hydrographic Survey- Plaquemines Parish, LA - Responsible for laser scanning for the Belle Chase Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway surfaces, and multi-beam 3-D hydrographic surveying.		

11/19 – 12/20	H.012083- Calcasieu River Bridge Investigation, Calcasieu Parish, LA- Laser scanning and project technician to provide laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile Lidar was done for future planning.
1/22- Ongoing	Hat Creek Permit Survey, Bossier Parish, LA- Advanced Measurements technician for UAV based aerial LiDAR and hydrographic surveys to provide plan and profile plans for permitting purposes. The project included flying approximately 200 acres on the Red River to provide a bare earth model to our engineers. This method allowed us to rapidly capture survey grade data versus traditional survey methods. A hydrographic survey of the Red River was performed using a sonarmite mounted on a shallow water vessel due to the low levels of the river. This hydrographic survey data was also provided to our engineers where it was integrated with the aerial LiDAR to provide the client with plan and profile plans for permit applications.
10/21- Ongoing	Merryville Aerial LiDAR, Beauregard Parish, LA – Advanced Measurements technician for UAV based aerial LiDAR to quickly capture the site topography. The project included flying approximately 175 acres in Merryville, LA to provide a bare earth model to our engineers. Due to the projects tight schedule constraints, we were able to do an initial topo survey of the site in a single day, then produce a surface model and contours for our engineers two days later. The surface model was used for preliminary site design and drainage flow characteristics.
11/18-04/19	LA 327 Spur: Staring Lane Ext. Route LA 327-S- East Baton Rouge Parish, LA- Responsible for laser scanning between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30. A complete Topographic survey including all utilities with depths and all drainage was required, along with finish floor elevations of all buildings that fall within the survey limits.
02/17-03/18	H.010753.5 – US 90 / I-310 Interchange – St. Charles Parish, LA – LA DOTD – Project Technician responsible for topographic surveying and 3-D laser scanning at the intersection of US90 and I-310 in St. Charles Parish. This project will allow improvements for safety and efficiency. The complete topographic survey includes all utilities with depths and all drainage required along with finish floor elevations of all buildings that fall within the survey limits.
8/14-Ongoing	H.004273.5 -I-49 Connector – Lafayette Parish, LA – LA DOTD – Responsible for laser scanning services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed laser scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.
01/13-12/13	H.009933 MacArthur Interchange Project Phase 1B – Orleans Parish, LA – LA DOTD – Responsible for laser scanning general areas in support of topographical survey including location and elevation surveys, for redundancy and volume.
01/13-03/13	H.009250 I-10 (Highland to LA 73) – East Baton Rouge and Ascension Parishes, LA – LA DOTD – Responsible for laser scanning of several bridges overpassing I-10 and extracting/coding survey coordinates and alignments. Also determined minimum horizontal and vertical clearances.
03/13-07/15	H.004698 Almonaster Avenue Lift Bridge – Orleans Parish, LA – LA DOTD – Responsible for laser scanning of Almonaster lift bridge and determination of various bridge geometrics and counterweight volume based on scan data. Provided 2-D plan geometry and elevations, as well as coded survey data. Used scanning to perform rail survey for inaccessible areas.

Firm employed by Burgess & Niple, Inc. BURGESS & NIPLE			
Name	Edward M. Cinadr, PE	Years of relevant experience with this employer	24
Title	Principal & Director of Facility Inspection	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		BSCE/MSCE – Ohio University (1995/1997)	
Active registration number / state / expiration date		ATSSA TC Technician, TC Supervisor and TC Flagging – Louisiana Associated General Contractors, 2018 SPRAT Level II Rope Access, 2022 Safety Inspection of In-Service Bridges - FHWA/NHI, 2008, 2011, 2016, 2021 Inspection of Fracture Critical Bridge Members - FHWA/NHI, 2011 LRFR Bridge Load Rating Training, 2006 ODOT LRFD Loads & General Overview, 2007 LRFD Training for Bridge Substructures & Earth Retaining Structures, 2005 NDT Techniques (DP, MP, UT) – Edison Welding Institute, 2020 First Aid & CPR – Red Cross, 2022	
			
Active registration number / state / expiration date		PE #35390 / Louisiana / 9/30/2022	
Year registered	2010	Discipline	Civil
Contract role(s) / brief description of responsibilities		B&N Project Oversight & Field Evaluation QA	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
12/09–10/11	DOTD 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	DOTD 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	DOTD 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	DOTD 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. BURGESS & NIPLE				
Name	Brendan J. Prendeville, PE		Years of relevant experience with this employer	18
Title	Senior Project Manager, Bridge Inspection Engineer		Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization			BSCE – Ohio State University (2004)	
Active registration number / state / expiration date			<p>ATSSA TC Technician, TC Supervisor and TC Flagging – Louisiana Associated General Contractors, 2018</p> <p>Safety Inspection of In-Service Bridges - FHWA/NHI, 2005, 2011, 2016, 2021</p> <p>Inspection of Fracture Critical Bridge Members - FHWA/NHI, 2011</p> <p>Permit Required and SCBA Confined Space Entry – SafeX - 2005, 2006</p> <p>Bridge Climbing & Industrial Rope Access – B&N, 2003</p> <p>SPRAT Level II Rope Access 2008, 2012, 2015, 2018, 2022</p> <p>NDT Techniques (DP, MP, UT) – Edison Welding Institute, 2020</p> <p>First Aid & CPR – Red Cross, 2020</p>	
				
Active registration number / state / expiration date			PE #74728 / Ohio / 12/31/2023	
Year registered	2010	Discipline	Civil	
Contract role(s) / brief description of responsibilities			B&N Field Evaluation – Bridge Inspector	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
12/09–10/11	DOTD 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 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	DOTD 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-ongoing	DOTD Contract No. 4400004920 (TO 5): Project Manager, Bridge inspection engineer, performed field inspection of off-system bridges and load rating calculations, 29 total bridges.			
03/20-ongoing	Ohio DOT Municipal Bridge Inspections & Load Ratings: Project Manager and Lead Bridge Inspection Engineer for 80 bridges, includes Routine and Fracture Critical Inspections and BrR load ratings of select structures including trusses.			

08/20-ongoing	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.
06/18-ongoing	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-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.

Firm employed by		Burgess & Niple, Inc.		BURGESS & NIPLE	
Name	Michael J. Kronander, PE	Years of relevant experience with this employer	7		
Title	Project Manager, Bridge Inspection Engineer	Years of relevant experience with other employer(s)	4		
Degree(s) / Years / Specialization		BSCE – Ohio State University (2011)			
Active registration number / state / expiration date		 ATSSA TC Technician, TC Supervisor and TC Flagging – Louisiana Associated General Contractors, 2020 Safety Inspection of In-Service Bridges - FHWA/NHI, 2015, 2020 Inspection of Fracture Critical Bridge Members - FHWA/NHI, 2016 Permit Required and SCBA Confined Space Entry – 2015 Bridge Climbing & Industrial Rope Access – B&N, 2015 SPRAT Level III Rope Access – 2021 NDT Techniques (DP, MP, UT) – Edison Welding Institute, 2020 FAA UAV Pilot Certification - 2020 PTI Level I Certification – 2018 ASBI Grout Certification - 2018 First Aid & CPR – Red Cross, 2022			
Active registration number / state / expiration date		PE #42172 / Louisiana / 03/31/2022			
Year registered	2017	Discipline	Civil		
Contract role(s) / brief description of responsibilities		B&N Field Evaluation – Bridge Inspector/Team Leader			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
04/16–01/18	DOTD 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-ongoing	DOTD Contract No. 4400017264: Bridge Inspection Engineer for Inspection for Rehab of IWGO/LA47/Green Bridge .				
02/19-ongoing	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-ongoing	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-ongoing	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. BURGESS & NIPLE			
Name	James Appler, PE	Years of relevant experience with this employer	2
Title	Project Manager, Bridge Inspection Engineer	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BSCE – University of South Florida (2008)	
Active registration number / state / expiration date		Safety Inspection of In-Service Bridges - FHWA/NHI, 2015, 2021 Inspection of Fracture Critical Bridge Members - FHWA/NHI, 2019 Inspection and Maintenance of Ancillary Structures – FHWA/NHI 2019 Bridge Climbing & Industrial Rope Access – B&N, 2020 SPRAT Level I Rope Access – 2022 FAA UAV Pilot Certification – 2021 Tunnel Safety Inspection – FHWA/NHI 2017/2022 First Aid & CPR – Red Cross, 2022	
			
Active registration number / state / expiration date		PE #76076 / Florida / 02/28/2023	
Year registered	2013	Discipline	Civil
Contract role(s) / brief description of responsibilities		B&N Field Evaluation – Bridge Inspector/Team Leader	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
12/21-ongoing	DOTD Contract No. 4400017264: Bridge Inspection Engineer for Inspection for Rehab of IWGO/LA47/Green Bridge .		
08/20-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.		
08/20-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.		
09/20	Iowa DOT – Fracture Critical Inspection of Sioux City and Dubuque bridges. Bridge Inspection Engineer for inspection of two tied arch bridges over the Mississippi River. Utilized industrial rope access for inspection.		
09/21	West Virginia DOT – In-depth Inspection of the New River Bridge: Bridge Inspection Engineer for in-depth and routine inspections of 3,000 ft long truss arch bridge. Utilized industrial rope access for inspection.		
08/20-ongoing	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.		

08/12-12/14	Florida DOT – In-depth Inspection of the Sunshine Skyway in Tampa, FL. Project Manager for inspection of 22,000 ft long cable-stay bridge. Performed QAQC duties for inspection, industrial rope access utilized for inspection.
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Firm Employed By: Stanley Consultants, Inc. 			
Name:	Blake Roussel, P.E., PMP	Years of relevant experience with this employer:	14
Title:	Project Principal	Years of relevant experience with other employer(s):	5
Degree(s) / Years / Specialization:		BS / 2003 / Civil Engineering	
Active Registration Number / State / Expiration Date:		PE.0033279 / LA / March 2023	
Year Registered:	2007	Discipline:	Civil Engineering
Contract role(s) / brief description of responsibilities:		Mr. Roussel will serve as Project Principal on this contract, leading our team's overall contract management, resource allocation, Quality Assurance (QA)/Quality Control (QC) processes, client needs, and attending meetings as necessary. Prior to joining Stanley Consultants, Mr. Roussel gained valuable transportation experience while employed by DOTD which he will use to focus and direct our team into a successful completion of this contract.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	<p>Mr. Roussel's relevant experience includes serving as Project Manager and Senior Transportation Engineer providing project oversight; overseeing project schedules and cost analysis; overall supervision of subconsultants and in-house engineers performing the survey, design, and plan preparation; coordination with the owner and stakeholders; QA/QC; checking compliance with design criteria; and completing all required forms and documents in support of the plan package. His design experience includes geometrics, earthwork, drainage, utilities relocation, traffic control, quantities computations, cost estimating, preparation of final contract documents, development of three-dimensional roadway models, and roadway design using MicroStation.</p>		
01/17–09/20	<p>Bootlegger Road Mill and Overlay and Bootlegger Road Bridge Design, St. Tammany Parish, LA; St. Tammany Parish Government: Serving as Project Principal, Mr. Roussel was responsible for resource allocation, overall project performance, and tending to client needs as they arise. Scope of work included approximately 3-miles of mill and overlay, bridge replacement over Timber Branch Creek, and a shared-use path connecting LA 1077 to LA 21.</p>		
05/19–07/20	<p>LA 117 Between LA 8 and LA 118 Bridge Study, Statewide LA; DOTD/Buchart Horn, Inc.: Mr. Roussel was transitioned into the project management role during the project execution phase. His responsibilities included monitoring adherence to the scope of work, budget, and schedule. Mr. Roussel coordinated with the prime consultant regarding scope, schedule, budget, and invoicing. Additionally, he performed QA/QC on project</p>		

	deliverables. As a sub-consultant the Stanley Consultants scope of work included evaluation and concept plan productions for bridge alternatives for five bridges along the LA 117 corridor located in Vernon Parish to tie-in to new roadways.
09/16–05/21	I-12, LA 21 to US 190 Widening Design, St. Tammany Parish, LA; DOTD: Serving as Project Principal, Mr. Roussel was responsible for overall contract management, resource allocation, Quality Assurance (QA)/Quality Control (QC) processes, client needs, and attending meetings as necessary. Additional responsibilities included QC of plans, project coordination, and scheduling.
06/18–01/21	US 61: Bluebonnet Blvd to S. End US 190, Baton Rouge, LA; DOTD: As Project Manager, Mr. Roussel was responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Stanley Consultants was contracted by the DOTD to perform engineering design services to mill and overlay US 61 (Airline Highway) from its intersection with Bluebonnet Blvd to the US 190 Overpass.
06/15 – Ongoing	LA 675 & LA 87 Improvements, New Iberia, LA; DOTD: Serving as Project Manager, Mr. Roussel is responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents. The project includes installation of a parallel subsurface drainage trunkline to reduce frequent street and area flooding. The project also requires roadway reconstruction and mill and overlay of existing pavement.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Jesse Tisdale, P.E.	Years of relevant experience with this employer:	3
Title:	Senior Civil Engineer	Years of relevant experience with other employer(s):	6
Degree(s) / Years / Specialization:	BS / 2013 / Civil Engineering		
Active Registration Number / State / Expiration Date:	PE.0040972 / LA / March 2023		
Year Registered:	2016	Discipline:	Civil Engineering
Contract role(s) / brief description of responsibilities:	Mr. Tisdale will serve as Project Manager for this contract, responsible for providing oversight on all aspects of engineering design and related services including roadway design, signing, and striping, maintenance of traffic, and suggested sequence of construction plans (MOT). Mr. Tisdale has TCT and TCS certifications.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	Mr. Tisdale has nine years of relevant transportation experience. He will lead the Stanley Consultants’ design team with a focus on the coordination of all design elements and the production of a high-quality, biddable set of plans and construction documents. He is well suited for this assignment having completed the design and roadway construction plan preparation for numerous major local roads, state highways and interstate highway projects designed to DOTD specifications and standards. His projects have involved both asphalt and concrete roadways and have encompassed new boulevard typical roadway sections, new alignments, realignments, reconstruction and widening and intersection improvements.		
09/16–05/21	I-12: LA 21 to US 190 & I-12: LA 1077 to LA 21, St. Tammany Parish, LA; DOTD: Serving as Project Manager, Jesse was responsible for assisting and overseeing the horizontal and vertical alignment design, drainage design, and sequence of construction with minimum temporary traffic control layout and striping according to DOTD specifications, standards, and design criteria. His additional responsibilities include standard project manager duties including coordination, QC of plans and design, project coordination and scheduling. Design tools used for this project included MicroStation, Inroads, CADConform, Bentley InRoads, DOTD HydrWIN and Microsoft Project.		

<p>04/17–09/21</p>	<p>US 171 at Boone St. Roundabout, Vernon Parish, LA; DOTD: Serving as Project Manager, Mr. Tisdale was responsible for assisting the design of a three-legged multi-lane roundabout and multiple intersection improvements along US 171. Tasks also included, budgeting, project cost estimation, utility coordination, and QA for the design and construction plans. This project involved engineering and related services to develop construction plans for a multi-lane (Hybrid) roundabout at the intersection of US 171 and Boone Street to allow for improvements to safety and efficiency, while utilizing best access management practices along the corridor.</p>
<p>04/17–05/21</p>	<p>LA 30 Roundabouts at Tanger & I-10, Ascension Parish, LA; DOTD: Serving as Deputy Project Manager/Lead Design Engineer then transitioning into the Project Manager role, Mr. Tisdale was responsible for providing oversight for all necessary engineering and related services required for the design of three multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA. He also provided QA of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design and driveway details for this project.</p>
<p>04/16–01/18</p>	<p>Dijon Drive Extension Phase I & II, East Baton Rouge Parish, LA Confidential Client: Served as Project Manager/Lead Designer, responsible for a proposed four-lane divided highway project between Essen Lane and Bluebonnet Boulevard. Project management responsibilities included budget coordination with local, city and state agencies, design and construction scheduling, coordination to prevent conflict from major construction in the surrounding areas and coordinating subsurface drainage. Design responsibilities included the geometric roadway design, roadway modeling and overseeing drainage design.</p>
<p>11/16–12/17</p>	<p>LA 30: South Blvd. to W. Chimes, Baton Rouge, LA; DOTD: Project Manager and lead designer responsible for the preliminary design, preliminary plan development and planning coordination of the project. The overall project included pavement patching, full curb replacement, re-establishment of the grass medians, additional drainage, access management implementation, addition of pedestrian facilities, relocation of the existing I-10 Nicholson ramp termini, and a complete asphalt overlay on 1.5 miles of Nicholson Drive. This project included the addition of drainage to a complicated and limited existing drainage system.</p>

Firm Employed By: Stanley Consultants, Inc.			
Name:	Adam Fields, P.E.	Years of relevant experience with this employer:	4
Title:	Senior Transportation Engineer	Years of relevant experience with other employer(s):	12
Degree(s) / Years / Specialization:	BS /2005 / Civil Engineering		
Active Registration Number / State / Expiration Date:	PE.0035614 / LA / September 2022		
Year Registered:	2010	Discipline:	Civil Engineering
Contract role(s) / brief description of responsibilities:	Mr. Fields will serve as Lead Road Design Engineer responsible for roadway design, maintenance of traffic, and suggested sequence of construction plans (MOT). Adam's experience performing complex MOT will be utilized on this contract.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	Mr. Fields has 16 years of specialized transportation design experience for local roads, state highways and interstate highways. His experience includes development of traffic control and staging plans; roadway alignment studies; development of horizontal and vertical geometrics; typical sections; intersection details; roadway drainage calculations, earthwork design; roadside safety features and development of quantities, technical specifications, and construction cost estimates. He is skilled in development of three-dimensional roadway models and roadway design utilizing MicroStation and InRoads software. Mr. Fields will implement his experience developing suggested sequence of construction plans in a lead road design engineer role for this project.		
01/14-10/16	IDIQ for Bridge Inspection Services, LA; DOTD H.013076 US 90 Over I-10: Lockmoor Flyover; US EB at I-10, Calcasieu Parish, LA; DOTD H.011494 US 90 Over Atchafalaya River; US 90 at LA 182; St. Mary Parish, LA; DOTD H.009630 Ted Hickey Bridge Inspection; Leon C. Simon Boulevard, Orleans Parish, LA; DOTD H.013052 LA 442 Emergency Bridge Replacement, Tangipahoa Parish, LA; DOTD H.013052 US 90 Over LA 14: US 90 at LA 14; Iberia Parish, LA; DOTD Serving as roadway engineer, Mr. Fields was responsible for implementing maintenance of traffic while bridge inspections and repairs were under construction into the plans for numerous task orders under this IDIQ contract for Bridge Inspection Services. He designed suggested sequence of construction according to DOTD standards		

	including temporary signing and striping plans and quantities, detours and alternate route plans, temporary sections, and general sequencing notes. Also designed roadway components for bridge design contracts as necessary.
09/16–05/21	I-12, LA 1077 to US 190 Widening Design, St. Tammany Parish, LA; DOTD: Serving as Roadway Engineer, Mr. Fields was responsible for horizontal and vertical alignment, typical sections, sequence of construction with temporary traffic control layout and striping according to DOTD specifications, standards, and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel. Stanley Consultants performed roadway design, modeling, DOTD formatting, and CADConform compliance. The DOTD requested an expansion of the project that included the addition of the auxiliary lane to the exit inclusive of the roadway widening two lane ramps.
04/17–05/21	LA 30 Roundabouts at Tanger & I-10, Ascension Parish, LA; DOTD: Serving as Roadway Engineer, Adam was responsible for providing oversight for all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA. Mr. Fields also provided MOT design, QA of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this DOTD Project. This project scope involves engineering and related services to develop construction plans for a reconstruction of LA 30 from near Isom Sanders Rd. to Veterans Boulevard.
04/17–09/21	US 171 at Boone St., DOTD, Vernon Parish, LA; DOTD: Serving as Lead Roadway Design Engineer, Mr. Fields was responsible for plan development, engineering design of sequence of construction and maintenance of traffic, temporary typical sections, temporary pavement markings and minimum construction signing, erosion control plans and permanent pavement marking and signing layout according to DOTD minimum design guidelines and standards.

Firm Employed By: Stanley Consultants, Inc. 			
Name:	Jared Blohowiak, EI	Years of relevant experience with this employer	3
Title:	Engineer-In-Training 2	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization:	BS / 2017 / Civil Engineering		
Active Registration Number / State / Expiration Date:	EI.0033683 / LA / September 2022		
Year registered:	2018	Discipline:	Civil Engineering
Contract role(s) / brief description of responsibilities:	Jared will be responsible for roadway design, signing and striping, and quantity tabulation of materials and services required. Jared has his TCT, TCS and Flagger certifications.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	Jared has worked on DOTD and USACE projects under the oversight of professional engineers. His responsibilities include road design, the design of guard rails, design of site plans, and quantity tabulation of materials and services required for a project. He is often responsible for detailed corrections and adjustments to plan sets and ensuring plan sets are following DOTD specifications and standards.		
01/17 – 09/20	Bootlegger Road Mill & Overlay, Bridge Design, St. Tammany Parish, LA; St. Tammany Parish Government: Serving as Engineering Intern, Jared was responsible for assisting with quantity calculations for this project.		
09/16 – 05/21	I-12, LA 21 to US 190 Widening Design, St. Tammany Parish, LA; DOTD: Serving as Engineer Intern, Jared was responsible for assisting with drafting of typical section sheets, quantity tables, guardrail layout designs, plan/profile sheets, signing and striping sheets using CADConform and MicroStation. Responsible for designing guardrail layouts and quantity calculations. Also assisted with the development of cost estimates. Responsible for following the Stanley Consultants QA/QC Plan.		

06/15 – 02/21	LA 675 and LA 87 Improvements, New Iberia, LA; DOTD: Serving as Engineer Intern, Jared was responsible for assisting with the drafting of geometric layout sheets, detour signing and map, temporary benchmarks, pavement marking sheets and additional detail sheets. His additional responsibilities include assisting with developing cost estimates and providing a summary of drainage structures tables and quantity calculations.
04/17 – 05/21	LA 30 Roundabouts at Tanger & I-10, Ascension Parish, LA; DOTD: Serving as Engineer Intern, Jared was responsible for assisting with drafting of plan/profile sheets, drainage plan/profile sheets, geometric layout sheets, sequence of construction sheets and pavement marking sheets. His additional responsibilities included review of existing drainage maps, design drainage maps, providing a summary of drainage structures tables and assisting with quantity calculations and cost estimates.
06/18 – 02/20	LA 1, Iberville, Port Allen Canal Misc. Pavement Preservation, West Baton Rouge Parish, LA; DOTD: As Engineer Intern, Jared was responsible for assisting with topographic survey field work. He assisted with the drafting of typical section sheets, quantity tables, guardrail layouts, miscellaneous detail sheets using MicroStation and performing quantity calculations. Responsible for following the Stanley Consultants QA/QC Plan.
03/17 – 09/21	LA 67: EBR P/L to 8 Miles North of EB, East Feliciana Parish, LA; DOTD: Serving as Engineer Intern, Jared is responsible for assisting with topographic survey field work. He assisted with the drafting of typical section sheets, quantity tables, guardrail layouts, miscellaneous detail sheets using MicroStation, and performed quantity calculations. Jared also assisted with the development of cost estimates and is responsible for following the Stanley Consultants QA/QC Plan.
06/18 – 12/20	US 61: Bluebonnet Blvd to S. End US 190, Baton Rouge, LA; DOTD: Serving as Engineer Intern, Jared was responsible for assisting with topographic survey field work. He assisted with the drafting of typical section sheets, quantity tables, guardrail layouts, miscellaneous detail sheets using MicroStation, and performed quantity calculations. Jared also assisted with the development of cost estimates and is responsible for following the Stanley Consultants QA/QC Plan.

Firm Employed By: Stanley Consultants, Inc. 			
Name:	Kayla Lafitteau, EI	Years of relevant experience with this employer	3
Title:	Engineer-In-Training 1	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization:	--		
Active Registration Number / State / Expiration Date:	EI.0034158/ LA / March 2022		
Year registered:	2018	Discipline:	Civil Engineering
Contract role(s) / brief description of responsibilities:	Kayla will be responsible for roadway design, signing and striping, and quantity tabulation of materials and services required. Kayla has her TCT, TCS and Flagger certifications.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	Kayla’s experience includes working on DOTD and City of New Orleans projects under the oversight of professional engineers. Kayla has been responsible for detour signing, permanent pavement markings, geometric layout and guard rail design. She prepares quantity calculations, cost estimates, and is proficient in MicroStation and AutoCAD. Kayla is often responsible for detailed corrections and adjustments to plan sets to ensure they are compliant DOTD specifications and standards.		
09/16 – 05/21	I-12, LA 21 to US 190 Widening Design, St. Tammany Parish, LA; DOTD: As Engineer Intern, Kayla was responsible for assisting with drafting of typical section sheets, pavement marking sheets, and plan/profile sheets. Responsible for assisting with quantity calculations, guard rail design and developing a cost estimate. Responsible for following the Stanley Consultants QA/QC Plan.		

06/15 – 02/21	LA 675 and LA 87 Improvements, New Iberia, LA; DOTD: Serving as Engineer Intern, Kayla was responsible for assisting with the drafting of geometric layout sheets, detour signing and map, temporary benchmarks, pavement marking sheets and additional detail sheets. Kayla also assisted with developing cost estimates, summary of drainage structures tables, and quantity calculations. Responsible for following the Stanley Consultants QA/QC Plan.
04/17 – 05/21	LA 30 Roundabouts at Tanger & I-10, Ascension Parish, LA; DOTD: Serving as Engineer Intern, Kayla was responsible for assisting with drafting of plan/profile sheets, drainage plan/profile sheets, geometric layout sheets, sequence of construction sheets and pavement marking sheets. Her additional responsibilities included review of existing drainage maps, design drainage maps and summary of drainage structures tables. Kayla also assisted with quantity calculations and cost estimates. Responsible for following the Stanley Consultants QA/QC Plan.
06/18 – 02/20	LA 1, Iberville, Port Allen Canal Misc. Pavement Preservation, West Baton Rouge Parish, LA; DOTD: Serving as Engineer Intern, Kayla was responsible for assisting with topographic field work. She assisted with quantity calculations, guard rail design and additional detail sheets. Additionally, Kayla assisted with developing the cost estimate and summary sheets. Responsible for following the Stanley Consultants QA/QC Plan.
03/17 – 09/21	LA 67: EBR P/L to 8 Miles North of EB, East Feliciana Parish, LA; DOTD: Serving as Engineer Intern, Kayla is responsible for assisting with topographic survey field work. Assisted with the drafting of typical section sheets, quantity tables, guardrail layouts, miscellaneous detail sheets using MicroStation, and performed quantity calculations. Also assisted with the development of cost estimates. Responsible for following the Stanley Consultants QA/QC Plan.
06/18 – 12/20	US 61: Bluebonnet Blvd to S. End US 190, Baton Rouge, LA; DOTD: Serving as Engineer Intern, Kayla was responsible for assisting with topographic survey field work. She assisted with the drafting of typical section sheets, quantity tables, guardrail layouts, miscellaneous detail sheets using MicroStation, and performed quantity calculations. Kayla also assisted with the development of cost estimates. Responsible for following the Stanley Consultants QA/QC Plan.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Jackie Wood	Years of relevant experience with this employer	4
Title:	Senior Designer	Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization:	--		
Active Registration Number / State / Expiration Date:	--		
Year registered:	--	Discipline:	--
Contract role(s) / brief description of responsibilities:	Jackie will provide roadway design and graphics services on this contract. Previously, Jackie worked with DOTD graphics to add symbology parameters for the Road Design Standards for CADConform and continues to have frequent contact with DOTD CADConform managers. Her skills include proficiency in MicroStation Inroads, DOTD CADConform and knowledge of AutoCAD.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	Jackie has experience in road design since 1980, including creation of roadway plans (design and drafting); assisting contractors and engineers with the coordination of field changes, creation of work drawings and change orders; completing feasibility studies; and training of engineer-interns and CAD technicians.		
09/16 – 05/21	I-12, LA 21 to US 190 Widening Design, St. Tammany Parish, LA; DOTD: Jackie served as Senior Designer responsible for sheet creation, roadway design, plan production, DOTD formatting and CADConform compliance.		
06/15 – 02/21	LA 675 and LA 87 Improvements, New Iberia, LA; DOTD: Serving as Senior Designer, Jackie was responsible for sheet creation, preliminary backcheck of plans, correcting and CAD Conforming of plans.		
04/17 – 05/21	LA 30 Roundabouts at Tanger & I-10, Ascension Parish, LA; DOTD: Serving as Senior Designer, Jackie was responsible for the design of three multi-lane roundabouts along the LA 30 corridor in Gonzales, LA, as well as the preparation of the typical section sheets, geometric sheets, and plan/profile sheets.		

06/18 – 02/20	LA 1, Iberville, Port Allen Canal Misc. Pavement Preservation, West Baton Rouge Parish, LA; DOTD: Serving as Senior Designer, Jackie was responsible for preliminary backcheck of plans, correcting and CADD conforming of plans.
04/17 - Ongoing	Roundabout: US 171 at Boone St., Vernon Parish, LA; DOTD: Serving as Senior Designer, Jackie is responsible for the design of intersection and corridor improvements along US 171. Design includes a roundabout, J-turn and turn lanes.
03/16 – 12/18	I-10/Loyola Interchange Improvements, Kenner, LA; DOTD: Serving as Senior Designer, Jackie was responsible for assisting with Environmental Assessment and IMR alternative concepts and exhibits. Additionally, she aided in MicroStation and ArcGIS conversions and aerials.
05/19 – 07/20	I-12 Widening Design-Build (O’Neal Ln. to Pete’s Hwy), Baton Rouge, LA; DOTD: Serving as Lead Designer, Jackie was responsible for designing and producing MicroStation and InRoads files associated with this project. She also assisted with the preparation of roadway plans and revisions during the construction phase.

Firm employed by Specialty Diving of Louisiana, Inc.					
Name	Marshall Whitmer		Years of relevant experience with this employer	36	
Title	Project Manager		Years of relevant experience with other employer(s)	7	
Degree(s) / Years / Specialization			Commercial Diver Certified NHI Certified U/W Bridge Team Leader NHI Certified 1987, Recertified 2015 & January 2019 Expr: 01/09/24 Private Pilot License		
Active registration number / state / expiration date			No. 3814 / LA / Ex:6/13/2025		
Year registered	1992	Discipline	ADCI Supervisor		
Contract role(s) / brief description of responsibilities			Team Leader for underwater bridge inspections		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
	<p>Professional Qualifications</p> <p>Mr. Whitmer attended Wesleyan College in Owensboro, Kentucky. He is a private pilot, as well as a commercial diver. He is a certified underwater bridge inspector. Mr. Whitmer’s ability to solve underwater problems is well known throughout the industry. He has been a manager or owner of several dive companies since 1975 and has worked both in the United States and Internationally. Mr. Whitmer has over 50 years of experience in the commercial diving industry with direct involvement in over 25,000 ft. total in penetration dives, as a project manager, dive supervisor, and diver. Mr. Whitmer developed the safety program for conducting underwater penetrations up to 5,000 feet. He co-authored the Special Vessel Underwater Examination (SVUE) project, which was written into USCG Law in 1998, for all passenger vessels to undergo thorough underwater inspections in lieu of dry docking these vessels. Mr. Whitmer co-authored of the first Underwater Comprehensive Bridge Inspection Teaching Program, held at Louisiana State University. Mr. Whitmer was involved in the first underwater bridge inspections for the State of Louisiana and has inspected bridges in over 17 states.</p>				
Name	Marshall Whitmer (CONTINUED)				
Title	Underwater Bridge Inspection Team Leader				
2021	Paper mill in St. Francisville, LA PM for several quarterly projects; maintenance of intake/outfall/ basins, installation of mid-feather curtain and installation of aerators.				
2018-2020	Massman Construction Co				

	Project Manager for USACE, Vicksburg District long term diving repair job to assist in pumping grout in voids of dam wall in Monroe, LA.
2014-2015	State of Louisiana Project Manager for the statewide inspection of the underwater elements of over 400 bridges in Louisiana. Developed the cost structure, researched all bridges, and developed the project schedule. Project was a retainer contract with the LA Dept. of Transportation and Development.
2013	USACE- Omaha District -Pierre, SD Project Manager for inspection of gate slots and removal of debris at the Oahe Dam. Managed on site for the duration of the project and was responsible for safe operating plan and procedures, crew, and equipment submittals.
2012	USACE- Omaha District -North Dakota, South Dakota, Montana Project Manager for extensive underwater Dam Spillway Assessment for four dams inspected under his direction, complete with electronic report submittals.
2015	City of Memphis Project Manager for the Front Street Interceptor Evaluation project in Memphis, TN. Managed on site for the duration of the diving operations, coordinated schedules and logistics, upheld safe work practices, and collaborated with other entities involved on the project. A maximum penetration of 300 ft. was conducted. Client: Compliance Envirosystems.
2010	Kansas City Railroad Company Project Manager for Level II U/W Inspection of the railroad bridge, 'El Salado'. This bridge had a washed-out plate girder, located, and removed by the divers. Mr. Whitmer prepared the report.

Firm employed by Specialty Diving of Louisiana, Inc.			
Name	Paul Bartow	Years of relevant experience with this employer	30
Title	Diving Supervisor (Alternate)	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		Commercial Diver Certification: College of Oceaneering, 1975 NHI Certified U/W Bridge Team Leader Certified 1987, Recertified 2013 & July 2018 – Expr: 07/19/23	
Active registration number / state / expiration date		No. 3824 / LA / Ex: 6/24/2025	
Year registered	1975	Discipline	ADCI Supervisor
Contract role(s) / brief description of responsibilities		Team Leader / Supervisor for underwater bridge inspections	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	<p>Professional Qualifications</p> <p>Mr. Bartow’s responsibilities during his 30-year career at Specialty Diving of LA, Inc. have been, diving, supervising dive projects, project management, sales, and project consultation for clients. He has vast experience working with state and local governments and private industries throughout the U.S., with client diversity from paper mills, power plants, municipalities, state transportation departments, engineering firms, construction companies and the U.S. Army Corps of Engineers. Diving projects include bridge inspection, penetration diving, pipeline repair, dam inspection and repair, and sediment and debris removal from outfalls, tunnels, and refinery coolant pump cells. He was the Dive Supervisor on the first U/W bridge inspection in Louisiana, 1987 and has been involved in hundreds of bridge inspection projects throughout the United States for Specialty Diving.</p>		
2021	<p>Project for the Port of New Orleans</p> <p>Working through Burk-Kleinpeter, Underwater inspection of Nashville Wharf Piles. Mr. Bartow managed a 10-man team to inspect known missing concrete piles, perform bottom sweeps and surveys, and gather all data to submit a formal report on findings to include depths from the concrete piles river side to the bank under the wharf between Pier Bents 1-22.</p>		

2021	Veolia Paul Bartow was PM to clean river intakes
2018	Matrix Engineering, LLC Specialty's Representative to conduct an underwater inspection of a marine loading terminal for CHS Grain Dock. Mr. Bartow oversaw the project which included a five-man inspection team to conduct level 1 and II inspections and underwater video of the splash zone area. A full report was submitted to client.
2016	Canadian National Railroad Project Manager to oversee two separate underwater inspections in the Amite River, due to severe flooding, four sites were inspected using NHI guidelines. Responsible for job planning and completion of report.
2014-2015	DOTD NHI Team Leader for underwater inspections of over 400 bridges for the State of Louisiana. All NHI guidelines were followed. Worked closely with Specialty's dive team and engineering sub consultant to provide accurate information of report submittals.
2015	Kinder Morgan Terminals Project Manager to complete underwater inspection of the Geismar terminal dock facility. Responsible for ensuring accurate and complete information needed for the report.
2014	ECM Consultants Project Manager for underwater inspection of the LaPalco Bridge.
2011	Modjeski & Masters Project Manager to inspect underwater and topside of the fender systems on two piers on the Sunshine Bridge, affected by impact damage from river barge traffic. Detailed report submitted to client, including corrosion on steel plates and anchor bolts, and the timber members of fender system.

(Add rows as need)

Firm employed by Specialty Diving of Louisiana, Inc.			
Name	Jeffrey Williamson	Years of relevant experience with this employer	14
Title	Diving Supervisor	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		LA Technical Diving School; Commercial Diver 1995 40-hr. Hazardous Materials class – Certified Crane Operator Certified; Liquid Penetrant Level II, Magnetic Particle Level II, NDT	
Active registration number / state / expiration date		No. 7961 / LA / Ex: 3/24/2022	
Year registered	1995	Discipline	ADCI Supervisor
Contract role(s) / brief description of responsibilities		Diving Supervisor	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	<p><u>Professional Qualifications</u> <i>Mr. Williamson is an active Project Manager, Supervisor and also a Diver for Specialty Diving of LA, Inc. Natural Disaster Emergency Contract for the MS. Dept. of Transportation, Jackson, MS Post-Katrina Inspection.</i></p> <p>Supervisor and Diver for a Post-Katrina U/W Bridge Inspection Assessment Project No. EMS 104584, under the direction of Volkert & Associates, on over 6400 pilings in the State of Mississippi were inspected under federal guidelines, including Level 1 and Level II inspections.</p>		
2020-2022	<p>Paper Mill in St. Francisville, LA Supervisor on several projects including inspection and maintenance on intake and outfall basins, and the management of the installation of a mid-feather curtain, along with installation of aerators. Mr. Williamson has worked on over 40 separate jobs in this paper mill through the years. Haz-mat, confined space, use of man baskets and crane for lowering divers utilized.</p>		
2015-2022	<p>USACE Supervisor on nineteen separate Task Orders, various locks & dams; inspection & maintenance - intake/outfall. All USACE guidelines set forth in EM-385 strictly followed. 5-hour emergency call out response expected. Work required included use of hydraulic tools, jetting, burning, and various hand tools.</p>		
2018-2020	<p>Massman Construction Supervisor for repair project for Vicksburg USACE, pumping grout in voids on dam wall. This project was a 9-month job requiring two crews, working off barges and work boats. Mr. Williamson worked with other sub-contractors on this project coordinating crane operations to work with diving operations.</p>		

<p>2016</p>	<p>Bridge & Pier Inspections at Dow Chemical Company. As the Prime Contractor, Specialty Diving of Louisiana, Inc. provided a dive crew to inspect structures located at both Dow Chemical’s Plaquemine facility as well as the St. Charles facility. These inspections were on the Mississippi River and required the following duties: taking coring samples of the wooden piles, water blasting the steel pilings in order to achieve a quality inspection. A level 1 inspection was conducted on all structures, a level 2 and level 3 inspection were conducted on about 20% of the components. He acted as the Supervisor, as well as an active Diver in these projects. The inspections followed the guidelines of the National Bridge Inspection Standards. Our Diving Workboat was utilized to allow access to the dock and dolphins.</p>
<p>2014</p>	<p>Comprehensive Inspection of the LaPalco Boulevard Bridge in Harvey, LA, at the Harvey Canal: Working with Modjeski & Masters, Specialty Diving of LA, Divers conducted a comprehensive underwater inspection of the LaPalco Bridge, including the concrete components of the piers, the Timber Fenders, and the Steel Dolphins. A Level I and Level II inspection, as set forth under the NBIS guidelines was completed. He was both the Supervisor and also a Diver on this project. He was responsible for providing the details required for the official report.</p>
<p>2014-2015</p>	<p><u>Underwater Bridge Inspection Diver for Specialty Diving of Louisiana, Inc.</u> The DOTD Retainer contract No. 4400003534 included U/W bridge inspections throughout District #02 and District #62. Approximately 400 bridges were inspected, including the long bridges of the Hwy. 11 bridge spans, & Bonnet Carre Spillway bridge. Mr. Williamson was one of the Underwater Commercial Diving Supervisors.</p>
<p>2010</p>	<p>Fender System Demolition and Salvage, Baton Rouge, LA Working with Coastal Bridge Company, he was the Commercial Diving Supervisor in a project located on Interstate 10, on the Mississippi River in Baton Rouge, Louisiana, where a barge had collided into the fendering system and destroyed it. Subsequently through Specialty Diving of Louisiana, Inc., we assisted Coastal Bridge Company in the assessment of the damages, as well as the demolition and removal of the fender system from the navigable water. This was a high traffic area, with high river running current, and no visibility. He was also needed as a Diver as well as a Supervisor on this project, and conducted underwater burning, and rigging for the demolition phase. The owner of this project was the LA. Dept. of Transportation.</p>

Firm employed by		Specialty Diving of Louisiana, Inc.			
Name	Benjamin Swan		Years of relevant experience with this employer	11	
Title	Commercial Diver		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			Divers Academy International; Commercial Diver 2008 FHWA-NHI-130091 – Underwater Bridge Inspection Course: Expr: 8/2/23 Certified First Aid/ CPR / AED / O2: American Red Cross		
Active registration number / state / expiration date			No. 60619 / LA / Ex: 12/17/2024		
Year registered	2008	Discipline	ADCI Supervisor / ADCI Commercial Diver #35339		
Contract role(s) / brief description of responsibilities			Commercial Diver		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
	<p><u>Professional Qualifications</u> Mr. Swan has been a Certified Commercial Diver since 2008. He has logged over 9,183 hours as a Diver and Supervisor for Specialty. He is a certified NHI Underwater Inspector and Team Leader. His skills and experience since becoming a commercial diver include the following: Inspection, maintenance and construction for docks, piers, bridges, and levees. He has worked on jobs requiring experience in haz-mat diving, running river current, and cold water. He has worked in Refineries, conducting inspections and maintenance on their intake and outfall lines. He has worked on ship survey projects, conducted site clearances, as well as several underwater construction projects. Underwater Inspections, rigging (API RP2D), Chamber Operations, Air Decompression Treatments, Emergency Procedures, Safety and Survival, Surface and Underwater Welding and Cutting, Hazardous Waste Operations & Emergency Response, Ultrasonic Testing, Level I & II, Responsibilities and Functions of Support Equipment. He has current Rigger Training as per API RP 2D, current Water Survival Course certificate, as well as Hyperbaric Medical Training in 2007, Level I & II NDT certification, and a holder of the Safe Gulf certificate. He is proficient at underwater burning, jetting, water blasting and use of hydraulic and pneumatic tools.</p>				
2012 – 2022	<p>USACE Ben Swan has completed over 50 separate jobs as a commercial diver for the U.S. Corps of Engineer projects, requiring inspection and maintenance on their locks and gate structures. This included emergency call-out work in order to ensure lock operations. Working in confined spaces, utilizing various skills with tools including jetting, hydraulics, pneumatic, water blasting. Removal and replacement of screens.</p>				

2021	Paper Mill Diver to remove debris from intake/outfall basin at a paper mill in Louisiana, jetting and use of man-basket to lower diver to site. Haz-mat and confined space entry required. Work in aeration ponds to assist in removal and replacement of aerators.
2017-2020	Terrebonne Parish Diver to assist in several projects, including a 200' penetration and culvert inspections and assessments, as well as maintenance.
2018-2020	Massman Construction Company Diver for repair project at Monroe Lock and dam to pump grout into voids in wall.
2017	Stennis Space Center Mr. Swan was an NHI Diver of Level I, II & III U/W inspection of 5 dock walls and 6 mooring piers at the. (54) piles were surveyed. Videos were also submitted.
2016-2018	Port of New Orleans Diver for five separate projects inspecting various wharfs and docks.
2018	USACE Diver for removal of the Empire Floodgate
2016	Port of Baton Rouge Worked for almost two months on a project for the Port of Baton Rouge, where Specialty Diving assisted in the removal and replacement of the dock.
2016	United Bulk Terminals Mr. Swan conducted U/W dock pile inspection for United Bulk Terminals, required Level I, II & III inspections.

Firm employed by		Specialty Diving of Louisiana, Inc.			
Name	Jameson Grames		Years of relevant experience with this employer	7	
Title	Commercial Diver		Years of relevant experience with other employer(s)	13	
Degree(s) / Years / Specialization			College of Oceaneering, 1999 Certification NHI Certified, FHWA-NHI-130091 U/W Bridge Inspection: Ex: 12/9/21 College of Oceaneering; Welding, Crane Rigging & Safety Certificate,		
Active registration number / state / expiration date			No.18729 / LA / Ex: 3/16/2025		
Year registered	1999	Discipline	ADCI Diver		
Contract role(s) / brief description of responsibilities			Commercial Diver		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
	<p>Professional Qualifications Mr. Grames has been certified as a Commercial Diver since 1999, and an NHI Certified Underwater Inspection Diver, completing the FHWA-NHI-130091 course in December of 2016. He has logged almost 3,000 hours on various underwater diving projects, both as a Diver and a Supervisor, for Specialty, including Inspection, maintenance and construction for docks, piers, bridges, and levees. He has worked on jobs requiring experience in haz-mat diving, running river current, and cold water. He has worked in Refineries, conducting inspections and maintenance on their intake and outfall lines. He has worked on ship survey projects, conducted site clearances, as well as several underwater construction projects.</p>				
2011 to present	USACE Mr. Grames has logged hundreds of hours working for Specialty Diving as one of the Corps approved commercial divers, servicing 14 locks and dams in Louisiana. Scope of work includes lock maintenance, debris removal, gate replacement, salvage. Skills include burning, jetting, water blasting, cleaning, NDT Inspections.				
2018	Neel-Schaffer, Inc. Mr. Grames was the Diver/Supervisor on this project to conduct repairs to the MS River Intake Fender systems for the N.O. Sewerage & Water Board. This included U/W acoustical imaging to collect site data, and working with the on-site Rep, identify objects within range of new structure, conduct site clearance, and removal of debris.				
2017	Kiewit-Pittman				

	Diver for on-going project to rehabilitation/modifications to the Empire Flood gate, including sweeping gate recess for obstructions, assist in dismantling u/w framework for dewatering this hurricane gate.
2016	Canadian National Railroad NHI Certified Diver for Railroad bridge Level I Inspections of (6) 18” timber piles per bent.
2016	Port of New Orleans Mr. Grames was the #1 Diver to assist in excavating fire water intake the Henry Clay Wharf.
2016	United Bulk Terminals NHI Diver for Dock Pile Inspection, (16) Level I of steel piling, (2) Level II
2016	Kinder Morgan Terminal Diver for a Level I, II & III inspection of terminal dock pilings. Computerized report submitted.
2016	Agrico Sales, Inc. Diver for U/W dock inspection, including Level I, II. Working off of Specialty vessel.
2015	KPAQ Industries Diver to remove debris from Intake Basin, utilizing hydraulic pumping equipment.
2011	Modjeski & Masters Diver for U/W inspection of fender systems on two piers on Sunshine Bridge.
2014 – 2015	<u>Underwater Bridge Inspection Diver for Specialty Diving of Louisiana, Inc.</u> The DOTD Retainer Contract No. 4400003534 included U/W bridge inspections throughout District #02 And District #62. Approximately 400 bridges were inspected, including the long bridges of the Hwy. 11 bridge spans, & Bonnet Carre Spillway bridge. Mr. Grames was one of the Underwater NHI Certified Dive Inspectors. Mr. Grames inspected the sub surface bridge structures and relayed his findings following the reporting guidelines defined in the DOTD PONTIS Inspection manual via underwater audio communications and live, dive helmet mounted video recording. ECM, our Engineering sub-consulting firm, utilized this relayed data to complete the DOTD U/W Inspection form and assign element ratings and an NBI substructure rating for the final inspection report. Mr. Grames primarily conducted Level 1 Inspections of these sub surface structures, and where requested, conducted Level II Inspections

Firm employed by		Specialty Diving of Louisiana, Inc.			
Name	Jovon Evins		Years of relevant experience with this employer	5	
Title	Commercial Diver		Years of relevant experience with other employer(s)	7	
Degree(s) / Years / Specialization			School of Oceaneering – graduated 11/20/2002 Qualified Rigger Certificate – API RP 2D 7th Edition; 02/03/2022 OSHA 10 Training TWIC Card Ex.06/18/2026		
Active registration number / state / expiration date			No. 13396 / LA /Ex.9/29/2026		
Year registered	2002	Discipline	ADCI Diver		
Contract role(s) / brief description of responsibilities			Commercial Diver		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
	<p><u>Professional Qualifications</u> Mr. Evins has been certified as a Commercial Diver since 2002. Jovan graduated from the College of Engineering and Oceaneering and joined Specialty in 2017. He has years of experience in inland and offshore diving projects.</p> <p><u>Relevant Job Experience:</u> Jovon is experienced in the following tasks: inspection diving, construction diving, underwater dredging and debris removal, sub-structural repairs, pipeline repairs, burning, NDT, jetting, salvage, and penetration projects. The majority of his work for Specialty has been inspection and maintenance projects on docks and piers, as well as projects on locks and dams for the U. S. Corps of Engineers. He has worked in paper mills, power plants, and chemical plants, and docks and piers.</p>				
2022	Diver for the underwater inspection of and repairs in 4” polyethylene lines in a paper mill. Hand saws used. Clamp install. Haz-mat and confined space entry.				
2021	Diver to conduct Level I, II & III inspection on steel piling on dock structures. In Mississippi river, heavy current.				
2021	Diver for U/W inspection and bottom sweeps to locate 10” pipeline and survey and NDT. Work off barge.				
2021	Diver to conduct removal of caisson structure and bottom sweeps near a dock in Venice, LA.				
2019	Diver to repair trash racks at Starcke Dam. Skills used; U/W burning, welding, drilling and NDT.				
2018	Diver to inspect 75 piles, including anodes, pile, and bottom, for Kinder Morgan facility.				
2017	Diver to conduct Level I & II dock inspection, for Marathon, TX. Cleaning tools and NDT used.				
2017	Diver at a Dow Chemical to assist with helical anchor installation, requiring burning and cleaning piles.				

2017	Diver for Kiewit-Pittman job to conduct work at Empire Lock Flood Gate; Work included removing (27) 7/8” nuts and bolts from steal plant, and installation of new plate.
2017 - 2022	USACE, N.O: Mr. Evins has worked over twenty task orders for Specialty’s projects with the USACE, N.O. Work includes stop log debris removal, replacement of trash racks and screens, burning, jetting, use of hydraulic equipment, as well as salvage. Working in over 9 sites. Had to be available at all times to respond to mandatory 5-hour mobilization for emergency projects.
2017 - 2022	Hood Paper Mill: Seven projects as a Diver. Work included use of various pumps to remove sediment and debris in basin of outfall structure, next to the Mississippi river. Worked in confined space conditions.
2017 - 2022	Modjeski & Masters: Four projects as a Diver. Underwater inspection of major docking facilities sub-structures for the Port of New Orleans. Haz-mat protocol followed. Running river current and barge and ship traffic contended with. Level I & II inspections.

Firm employed by Specialty Diving of Louisiana, Inc.					
Name	Kenyatta Kalisana		Years of relevant experience with this employer	5	
Title	Commercial Diver		Years of relevant experience with other employer(s)	11	
Degree(s) / Years / Specialization			Marine Technology Training Center -2008 NHI Certified, FHWA-NHI-130091 U/W Bridge Inspection: Ex: 12/09/2021 TWIC card holder / First Aid, CPR, O2 trained		
Active registration number / state / expiration date			No. 38246 / LA / Ex.2.9.2026		
Year registered	2008	Discipline	ADCI Diver		
Contract role(s) / brief description of responsibilities			Commercial Diver		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
	<p><u>Professional Qualifications</u> Mr. Kalisana has been a Certified Commercial Diver since 2008. He graduated from The Leonard Greenstone Marine Technology Training Center. He received his NHI U/W Bridge Inspection Diver Certificate in June 2016, No. FHWA-NHI-130091. Mr. Kalisana has worked as a Diving Tender logging several hours with projects including pier and dock inspections, as well as various U.S. Army Corps of Engineer lock and dam projects. He has worked on ship husbandry projects, construction projects, and paper mill projects. His various skills in the diving industry include: Underwater Inspections, rigging (API RP2D), Chamber Operations, Air Decompression Treatments, Emergency Procedures, Safety and Survival, Surface and Underwater Welding and Cutting, Hazardous Waste Operations & Emergency Response, Ultrasonic Testing, Level I & II, Responsibilities and Functions of Support Equipment. He has current Rigger Training as per API RP 2D, current Water Survival Course certificate, as well as Hyperbaric Medical Training in 2007, Level I & II NDT training certificate, and is a holder of the Safe Gulf certificate.</p>				
2014 – 2022	<p>USACE Mr. Kalisana has logged hundreds of hours working for Specialty Diving as one of the Corps approved commercial divers, servicing 14 locks and dams in Louisiana. Scope of work includes lock maintenance, debris removal, gate replacement, salvage. Skills include burning, jetting, water blasting, cleaning, NDT Inspections. Kenyata Kalisana (CONTINUED)</p>				

	Commercial Diver
2014 - Present	N.O. Sewer & Water Board – Diver for inspection of intake/outfall areas, haz-mat conditions. Paper Mill in St. Francisville, LA – Inspection of basins and removal of debris for intake/outfall. Port of New Orleans – 2016 – Inspect piles at the Henry Clay Wharf dock, including clearing debris from intake. Jetting equipment, cleaning tools utilized.
2014 – 2020	Entergy Corporation - Working for various facilities, Kenyatta was a Diver to remove debris from intake/outfalls, including jetting, and using various cleaning tools.
2014-2019	Dupont Chemical - Removal of debris/ utilizing jetting equipment in intake area. Periodic repeat work.
2016	Port of New Orleans: Commercial Diver for the Underwater inspection of major docking facilities sub-structures for the Port of New Orleans, located at the Henry Clay Wharf Dock. Haz-mat protocol followed. Running river current and barge and ship traffic contended with. Jetting and cleaning tools utilized.
2014 – 2018	Hood Paper Mill: Several projects as a Diver. Work included use of various pumps to remove sediment and debris in basin of outfall structure, next to the Mississippi river. Worked in confined space conditions.
	When he is not on a job, he works in our shop facility. This has afforded him the opportunity to gain knowledge and expertise on diving equipment maintenance requirements. He is familiar with what type of equipment is needed on each job and is integral in the ‘load-out’ and the ‘load-in’ of this equipment. He notifies the Shop Manager of any ‘red tagged’ items being off-loaded after a job. On the sites, he is responsible for setting up the equipment. He receives his directions from his Supervisors and the Divers. As a certified commercial diver, Mr. Kalisana understands the diving industry, and what is expected on the jobsites.
	Mr. Kalisana has worked for other inland and offshore diving companies and has experience working in cold water, high running river current, little to no visibility on these jobs. He has used underwater tools such as hydraulics, jetting equipment, burning equipment, various cleaning tools and water blasting tools.
	Mr. Kalisana was sponsored by Specialty Diving to complete the NHI course in 2016 so that he could become one of Specialty’s Underwater Inspection Divers. He has experience working off of large and small vessels, conducting inspections, maintenance, and repairs of oil rig structures with similar structures to inspect as docks and bridges.

Firm employed by KTA-Tator, Inc. 			
Name	James A. Kretzler	Years of relevant experience with this employer	9
Title	Supervisor-Other (ASNT Level III)	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		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 09/30/2023)	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		ASNT Level III to establish techniques, procedures, methods, etc. for performing NDE inspections (meets MPR 3d)	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
07/15 – Present	NDE Department Manager – Mr. Kretzler is managing the NDE Department of the KTA Steel and Concrete Group. He has financial and operational responsibilities along with business development, hiring and training for non-destructive examination services. He is providing Level III services internally for KTA and externally for clients that includes writing and reviewing NDE procedures and certifying NDE technicians. He is also providing NDE training services for Level II Magnetic Particle, Level II Dye Penetrant inspection as well as Ultrasonic Level I and Level II classes covering UT thickness, straight beam, and angle beam inspections.		
10/21 – 10/21	North Dakota Department of Transportation – As a subconsultant to Fickett Structural Solutions, Mr. Kretzler was the KTA project manager for Phased Array Ultrasonic Testing (PAUT) on various bridges throughout North Dakota.		
03/16 – 05/16	I-10 Calcasieu Bridge, Baton Rouge, LA – As a subconsultant to HNTB, 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.		
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 – Mr. Kretzler was a KTA Supervisor overseeing the inspection responsibilities of QA inspectors on bridge fabrication in various shops through 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 girders, cross frames, and tooth dams. Managed and trained a staff of 9 inspectors.
05/08, 12/09, 01/10	As an employee of A&A Consultants, Mr. Kretzler performed various inspections for the North Shore Connector Project in Pittsburgh, PA. He performed visual and dye penetrant weld examinations for a temporary bridge and shoring on Tony Dorset Drive spanning the “cut and cover” portion of the light rail system (served as A&A Consultants’ Structural Steel Inspection Supervisor). Mr. Kretzler also provided inspections of 30 light poles for this project at Jett Industries, Ellwood City, Pennsylvania in December 2009, and completed MT/VT inspection of splice plate welds on retaining wall pilings and smoke wall rebar in January 2010.

Firm employed by KTA-Tator, Inc. 			
Name	Robert S. Lanterman	Years of relevant experience with this employer	16
Title	Supervisor-Other	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BE/1999/Chemical Engineering	
Active registration number / state / expiration date		SSPC Certified Protective Coatings Specialist (#2015-820-136, expiration 12/31/2023); NACE Certified Coatings Inspector Level 3 (#13505, expiration 05/23/2022)	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Coatings Consultant – coating condition assessment services	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
09/21 - Present	IWGO Bridge, Baton Rouge, LA – As a subconsultant to TRC, Mr. Lanterman is performing a coating condition assessment and assisting with the development of surface preparation, coating application, and environmental/worker protection and containment specifications/drawing notes for the rehabilitation of this bridge.		
07/20 – 08/20	Denison Harvard Bridge, Cleveland, OH – As a subconsultant to Michael Baker International, Mr. Lanterman performed a coating condition assessment, supervised coatings laboratory testing, developed a maintenance painting strategy, provided recommendations, and developed an opinion of probable costs for the maintenance painting of this bridge.		
02/20 – 05/20	Jackson Street (Red River) Lift Bridge, Alexandria, LA – As a subconsultant to Gresham, Smith & Partners, Mr. Lanterman performed a coating condition assessment (visual examination, coating thickness and adhesion measurements, substrate examination, and coating sample procurement), supervised coatings laboratory testing, and prepared a report with recommendations for the rehabilitation of the coating system on this bridge.		
02/18 – 06/19	Walt Whitman Bridge NJ Approach Spans – As a subconsultant to AECOM, Mr. Lanterman provided project engineering/coating consulting services for KTA on this project involving a coating condition assessment to determine the condition of the existing coatings on the structures in order to develop future maintenance painting strategies for each structure. KTA also conducted a Relative Risk Characterization that focused on the relative impacts to the environment, the public, and adjacent workers resulting from the proposed surface preparation activities.		

10/18 – 03/19	Kootenay River Bridge, Creston, BC, Canada – As a subconsultant to McElhanney Consulting Services Ltd., Mr. Lanterman performed a coating condition assessment (visual examination, coating thickness and adhesion measurements, substrate examination, and coating sample procurement), supervised coatings laboratory testing, and prepared a report with recommendations for the rehabilitation of the coating system on this bridge.
09/18 – 12/18	Argentia Newfoundland Ferry Dock Transfer Bridge, Newfoundland, Canada – As a subconsultant to CBCL Limited, Mr. Lanterman performed a coating condition assessment, supervised coatings laboratory testing, and developed recommendations for future maintenance painting of the structural steel end span of this bridge.
07/17 – Present	Benjamin Franklin Bridge, Philadelphia, PA – As a subconsultant to HNTB, Mr. Lanterman is providing project engineering/coating consulting services for KTA on this project involving a coating condition assessment of the bridge to determine the condition of the existing coatings on the structure to develop a future maintenance painting strategy. Additional services include providing contractor containment and paint submittal review services for the maintenance painting and steel repair work on this bridge.
06/17 – 06/19	Walt Whitman Bridge Corridor - PA Approach – As a subconsultant to AECOM, Mr. Lanterman provided project engineering/coating consulting services for KTA on this project involving a coating condition assessment to determine the condition of the existing coatings on the structures in order to develop future maintenance painting strategies for each structure. KTA also conducted a Relative Risk Characterization that focused on the relative impacts to the environment, the public, and adjacent workers resulting from the proposed surface preparation activities.
03/17 – 05/17	US 90 Morgan City Bridge and Nearby Structures, Morgan City, LA – As a subconsultant to HNTB, 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 this bridge.
02/17 – 03/17	I-310 Luling Bridge, Luling, LA – As a subconsultant to HNTB, Mr. Lanterman performed a coating condition assessment of the weathering steel towers and girders and prepared a report detailing the conditions found and providing recommendations for the remediation of the corrosion problems.
09/16 – 12/16	South Street Viaduct, New York City (Manhattan), NY – As a subconsultant to HDR Engineering, 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 this bridge.
03/13 – 11/17	Commodore Barry Bridge, Chester, PA – As a subconsultant to AECOM, Mr. Lanterman provided project engineering/coating consulting services for this bridge and associated structures (Ramp AC, Ramp BC, SR130 Overpass) to determine the condition of the existing coatings along with providing recoating recommendations. KTA also provided specification review and EH&S services for all structures.

Firm employed by: Marrero, Couvillon & Associates, LLC



Name	Brian T. Miller, PE	Years of relevant experience with this employer	5
Title	Senior Mechanical Engineer	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization		BS / 1986 / Mechanical Engineer	
Active registration number / state / expiration date		PE.26080 / Louisiana / 12-31-2021	
Year registered	1983	Discipline	Mechanical Engineering
Contract role(s) / brief description of responsibilities		Mechanical Engineering / Mr. Miller has over 32 years of engineering experience in mechanical engineering, project engineering and project management. Mr. Miller has been responsible for various projects ranging from HVAC systems design to wastewater pump stations. Brian is working with clients in both the public and private sector, such as the Recovery School District in New Orleans, the Louisiana State Department of Transportation, the Ascension Parish School Board, as well as various Architects and Engineering firms.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
01/14–Present	H.010016: US 11 Bridge Over Lake Pontchartrain Rehabilitation, Orleans/St. Tammany Parishes, LA Mechanical and plumbing design for rehabilitation of two Operator’s Houses at an existing bridge over Lake Pontchartrain. Work is being done as part of a larger bridge rehabilitation project. Design is sensitive to the historic nature of the bridge and Operator’s Houses.		
06/12–04/18	H.009479.5: West Larose Vertical Lift Bridge Rehabilitation (Route: LA 1), Lafourche Parish, LA Mechanical design for rehabilitation of the Operator’s House at an existing bridge over the Intracoastal Waterway. Work completed is part of a larger bridge rehabilitation project.		
10/13–05/16	4th Street Harvey Bridge Rehabilitation, Jefferson Parish, LA Mechanical design for rehabilitation of the Operator’s House at an existing bridge over the Harvey Canal. Work is being done as part of a larger bridge rehabilitation project.		
11/17–10/18	Airfield Lighting Vault – Louis Armstrong New Orleans International Airport, New Orleans, LA Mechanical design for new building to house airfield lighting control equipment. Construction to withstand the effects of a Category 4 hurricane.		

Firm employed by: Marrero, Couvillon & Associates, LLC				
John Hamm, PE			Years of relevant experience with this employer	5
Senior Electrical Engineer			Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization			BS / 1981 / Electrical Engineer	
Active registration number / state / expiration date			PE.31269 / Louisiana / 12-31-2021	
Year registered	2004	Discipline	Electrical Engineering	
Contract role(s) / brief description of responsibilities			Electrical Engineering / Experience includes electrical distribution systems, transformers, 480-volt motor control centers, variable frequency drives, automatic transfer switches, uninterruptible power supplies, emergency generators, lighting design and commercial designs including lighting, communication, fire alarm and special system design.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
3/16–Present	<p>ID/IQ Contract with the Department of Public Works – City/Parish East Baton Rouge – Green Light Project – Design of Street Lighting, Baton Rouge, Louisiana.</p> <p>The project includes the following streets:</p> <ul style="list-style-type: none"> • North Harrell’s Ferry Road (Old Hammond Highway to Sherwood Forest) • Perkins at Stanford/Acadian Intersection • Lobdell Avenue Improvements (Independence Blvd. to Florida Blvd.) • Staring Lane Extension – Phase I (Burbank Drive – LA 42 – to Highland Road) • Brightside Lane Improvements (River Road – LA 327 to Nicholson Drive – LA 30) • South Harrell’s Ferry Road Segment 1 and Segment 2 • Jones Creek Road – Segment 3 			
06/17–Present	<p>LA-1 Reroute from Golden Meadow to Leesville, Lafourche Parish, LA</p> <p>Lighting design for 9-mile section of widened DOTD highway (LA 1 from Golden Meadow to Leesville). Electrical and controls infrastructure for ITS equipment and design of new toll booths.</p>			
6/18–Present	<p>Low Barrier Shelter, New Orleans, LA</p> <p>Marrero, Couvillon & Associates has worked on a homeless shelter project for the City of New Orleans. The facility provides year-round, 24-hour shelter for homeless adults with minimal restrictions. The work involved demolition and build-out within an existing building that was previously used for medical purposes. MCA provided engineering design for HVAC, plumbing, fire protection and electrical systems for the project.</p>			

3/19–Present	<p>Roof Rehabilitation Projects – Multiple Buildings – ExxonMobil Refinery, Baton Rouge, LA Electrical design for replacement of roofing and rooftop mechanical equipment at critical facilities in the refinery. Phasing considerations were critical to avoid disruptions to production.</p>
11/17–10/18	<p>Louisiana National Guard 415th Maintenance Training Bay – Gilles W. Long Center, Baton Rouge, LA MCA is responsible for the Mechanical and Electrical design for the 415th Maintenance Training Bay at Gillis W. Long Center in Carville, Louisiana for the Louisiana Military Department. The building consists of 2 pulls through training bays, office area, library, battery room, tool room, storage, toilet, and mechanical rooms.</p>

Firm employed by: Marrero, Couvillon & Associates, LLC



Name	Gregory DeCoursey, AIA		Years of relevant experience with this employer	25
Title	Senior Architect		Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		M. Arch. / 1982 / Architecture B. Arch 1977 / Architecture		
Active registration number / state / expiration date		#2620 / Louisiana / 12-31-2021		
Year registered	1980	Discipline	Architecture	
Contract role(s) / brief description of responsibilities		Architect - Mr. DeCoursey has performed services as both Architect and Project Manager for Engineering Projects for the Louisiana Department of Transportation and Development and for other Public Works and Private Sector Commercial projects. Projects in which Mr. DeCoursey participated, relevant to the requirements in this solicitation are:		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
01/14–Present	H.010016: US 11 Bridge Over Lake Pontchartrain Rehabilitation, Orleans/St. Tammany Parishes, LA Architectural design for rehabilitation of two Operator’s Houses at an existing bridge over Lake Pontchartrain. Work is being done as part of a larger bridge rehabilitation project. Design is sensitive to the historic nature of the bridge and Operator’s Houses.			
3/19–Present	Roof Rehabilitation Projects – Multiple Buildings – ExxonMobil Refinery, Baton Rouge, LA Architectural design for replacement of roofing and rooftop mechanical equipment at critical facilities in the refinery. Phasing considerations were critical to avoid disruptions to production.			
06/12–04/18	H.009479.5: West Larose Vertical Lift Bridge Rehabilitation (Route: LA 1), Lafourche Parish, LA Architectural design for rehabilitation of the Operator’s House at the existing bridge over the Intracoastal Waterway. Work is being done as part of a larger bridge rehabilitation project.			
10/13–05/16	4th Street Harvey Bridge Rehabilitation, Jefferson Parish, LA Architectural design for rehabilitation of the Operator’s House at an existing bridge over the Harvey Canal. Work is being done as part of a larger bridge rehabilitation project.			
04/09–04/12	Airfield Lighting Vault – Louis Armstrong New Orleans International Airport, New Orleans, LA Architectural design for new building to house airfield lighting control equipment. Construction to withstand the effects of a Category 4 hurricane.			

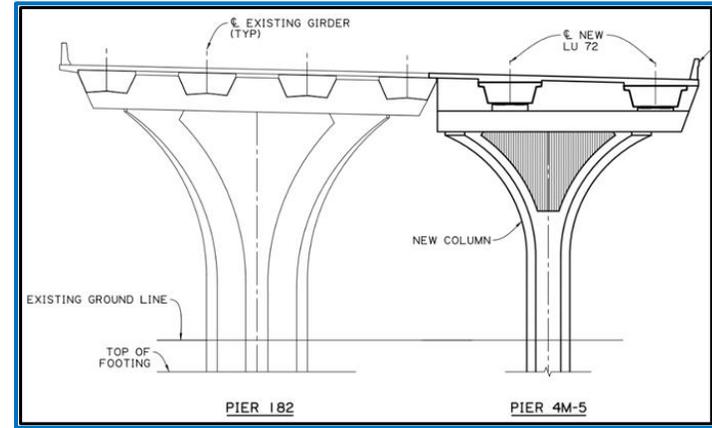
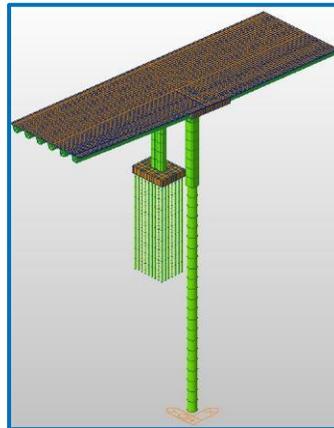
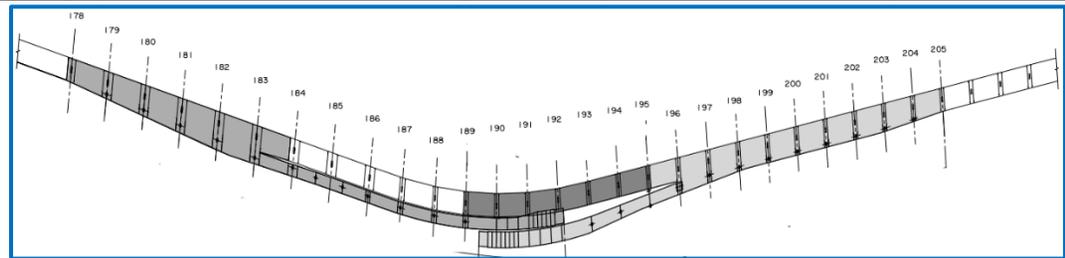
Firm employed by: Marrero, Couvillon & Associates, LLC					
Name	Kenneth Wilson		Years of relevant experience with this employer	5	
Title	Senior Technician		Years of relevant experience with other employer(s)	10	
Degree(s) / Years / Specialization			Associate Degree / 2007 / Technical Drafting		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Mr. Wilson has 15 years of experience in mechanical design for both commercial and industrial projects. He is very proficient in AutoCAD, Revit AutoCAD Inventor and MicroStation.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
01/14–Present	H.010016: US 11 Bridge Over Lake Pontchartrain Rehabilitation, Orleans/St. Tammany Parishes, LA Design for rehabilitation of two Operator’s Houses at an existing bridge over Lake Pontchartrain. Work is being done as part of a larger bridge rehabilitation project. Design is sensitive to the historic nature of the bridge and Operator’s Houses. – Mechanical Design				
04-18–Present	Emergency Vehicle Maintenance Facility – City of New Orleans, LA Mechanical and electrical engineering services for the construction of a new automotive maintenance facility of approximately 17,100 sq. ft. The facility includes, maintenance bays, parts storage, break room, locker rooms, offices, conference room, and other support spaces. - Mechanical Design				
06/17–09/19	New North Terminal, Louis Armstrong New Orleans International Airport, New Orleans, LA Design for HVAC, plumbing, fire protection and electrical systems for a new terminal at Louis Armstrong New Orleans International Airport that replaced the existing facility. MCA was part of a team of Architects and Engineers for this project. – Mechanical Design				
03/16–11/18	Henry Clay Wharf Fire Suppression System – Port of New Orleans, LA MCA was responsible for evaluating the existing Fire Suppression system located at the Henry Clay Wharf, Port of New Orleans and developing formal plans and specifications for upgrades. – Mechanical design				

Firm employed by: Marrero, Couvillon & Associates, LLC					
Name	Justin LeCuyer		Years of relevant experience with this employer	6	
Title	CADD Technician		Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			BS / 2007 / Physical Science		
Active registration number / state / expiration date			N/A		
Year registered	N/A		Discipline	N/A	
Contract role(s) / brief description of responsibilities			CADD Technician - Mr. LeCuyer's experience includes the design and drafting of new installations, as well as for renovation, replacement and/or expansion of existing installations. Mr. LeCuyer is proficient in the application of AutoCAD, Revit, Microsoft Word, Microsoft Excel, Carrier's Hourly Analysis Program Energy Plus and EQUEST.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
01/14–Present	H.010016: US 11 Bridge Over Lake Pontchartrain Rehabilitation, Orleans/St. Tammany Parishes, LA Design for rehabilitation of two Operator's Houses at an existing bridge over Lake Pontchartrain. Work is being done as part of a larger bridge rehabilitation project. Design is sensitive to the historic nature of the bridge and Operator's Houses. – CAD Drafter				
05/20–Present	Elevator Addition at Treme Recreational Center, City of New Orleans, LA Architectural, structural and MEP design for the addition of an elevator at an existing recreation facility to provide for ADA compliance. -CAD Drafter				
06/17–09/19	New North Terminal, Louis Armstrong New Orleans International Airport, New Orleans, LA Design for HVAC, plumbing, fire protection and electrical systems for a new terminal at Louis Armstrong New Orleans International Airport that replaced the existing facility. MCA was part of a team of Architects and Engineers for this project. – CAD Drafter				

17. Firm Experience:

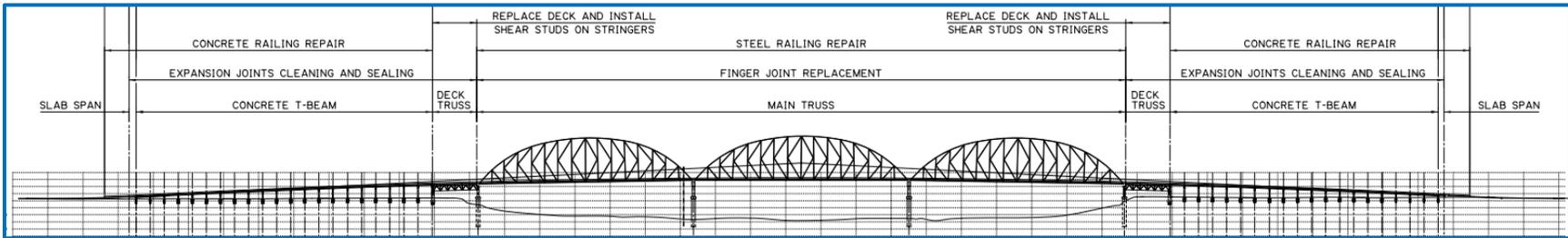
Firm name	SDR Engineering Consultants, Inc. 	Past Performance Evaluation Discipline(s)	Bridge
Project name	MacArthur Interchange Completion Phase II		Firm responsibility (prime or sub?) Prime
Project number	H.011309.5	Owner's name	DOTD
Project location	Jefferson Parish, LA	Owner's Project Manager	Li Yang, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, (225) 379-1456, Li.Yang@LA.GOV		
Services commenced by this firm (mm/yy)	08/19	Total consultant contract cost (\$1,000's)	\$3,319
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$2,750

MacArthur Interchange Completion Phase II provides connections between the eastbound direction of the West Bank Expressway (US 90-Z) and the eastbound frontage road near Peters Road and the East Bound Harvey Tunnel. The new ramps will provide access to the US 90-Z from MacArthur Ave. and Destrehan Ave. traffic and to help alleviate traffic congestion at the West Bank Expressway/Manhattan Boulevard intersection. The Project consists of providing all engineering design services required to construct two separate ramp structures and the relocation of the frontage road in the eastbound direction. Access to the West Bank Expressway from Peters Road and the Harvey Tunnel to be provided by the proposed on-ramp 5M. To accommodate ramp 5M, the existing eastbound Manhattan Boulevard exit ramp is to be removed and a newly relocated Manhattan Boulevard exit-ramp 4M is to be provided.



Team: Adnan Elsaad, PE; Osama Elsaad, PE; Sarah Elsayah, EI; James Fussell, PE; Travis Honore, EI; Zhiyong Liang, PhD, PE, Ahmed Rageh, PhD, EI; Andy Rodriguez, EI; Hatem Seliem, PhD, PE; Mohsen Shahawy, PhD, PE; Shalin Sheth, EI; Sara Sotoud, PhD, EI; Feng Xie, PE.

Firm name	SDR Engineering Consultants, Inc. 	Past Performance Evaluation Discipline(s)	Bridge
Project name	Long-Allen Bridge (LA 182 over Atchafalaya River-Berwick Bay)		Firm responsibility (prime or sub?) Prime
Project number	H.011487	Owner's name	DOTD
Project location	Lafayette Parish, LA	Owner's Project Manager	Chris Guidry, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, (225) 379-1329, Chris.Guidry@LA.GOV		
Services commenced by this firm (mm/yy)	10/18	Total consultant contract cost (\$1,000's)	\$946
Services completed by this firm (mm/yy)	02/21	Cost of consultant services provided by this firm (\$1,000's)	\$946



The bridge was built in 1933 and consists of 47 spans with a total length of 3,746'. The approach spans consist of two reinforced concrete slab spans, 40 reinforced concrete T-beam spans, and 2 deck truss spans. The main spans consist of 3 identical through truss spans with span length of 608'. The substructure is comprised of concrete pile bents, two-column concrete bents, and concrete piers. The scope of work includes:

- Inspection of superstructure.
- Load rating of main truss, deck truss, and approach spans.
- Evaluation of superstructure and substructure to determine scope of rehabilitation.
- Diagnostic load test of approach spans using strain gauges and calibration trucks.
- Design rehabilitation and develop construction plans and cost estimate.
- Develop temporary traffic control plans.

Bridge rehabilitation includes cleaning and painting of all steel members, CFRP strengthening of approach slab spans, replacing concrete deck of deck truss spans, heat-straightening of selected truss members, jacking the deck truss and repair of the rocker bearings, replacing finger joints, and supporting beams, cleaning and sealing of expansion joints, repairing concrete railing, applying epoxy-urethane overlay system on roadway, and applying methyl methacrylate concrete sealer on sidewalks.

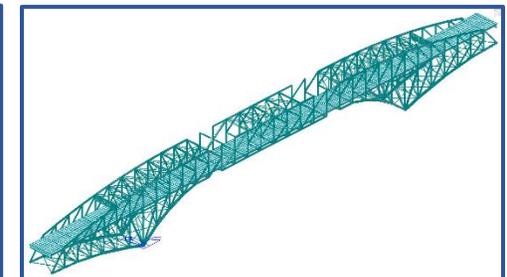
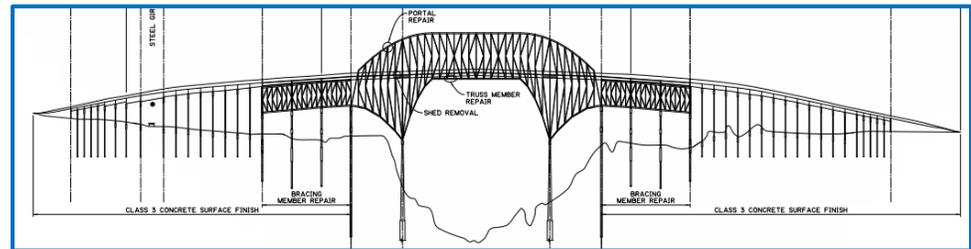


Firm name	SDR Engineering Consultants, Inc. 	Past Performance Evaluation Discipline(s)	Bridge
Project name	US 80 Texas Street over Red River Bridge Rehab		Firm responsibility (prime or sub?) Prime
Project number	H.011484	Owner's name	DOTD
Project location	Shreveport, LA	Owner's Project Manager	Stephanie Doolittle, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, (225) 379-1329, Stephanie.Cavalier@LA.GOV		
Services commenced by this firm (mm/yy)	11/15	Total consultant contract cost (\$1,000's)	\$962
Services completed by this firm (mm/yy)	04/18	Cost of consultant services provided by this firm (\$1,000's)	\$962

This project was to provide hands-on inspection, load rating, and rehabilitation design for the US 80 Texas Street Bridge over Red River including the truss spans and approach spans. The bridge consisted of a main truss span 884' long, six (6) 102.75' steel deck truss spans, one (1) 91' steel girder span, and 35 reinforced concrete deck girder approach spans of varying span lengths. The major tasks included:

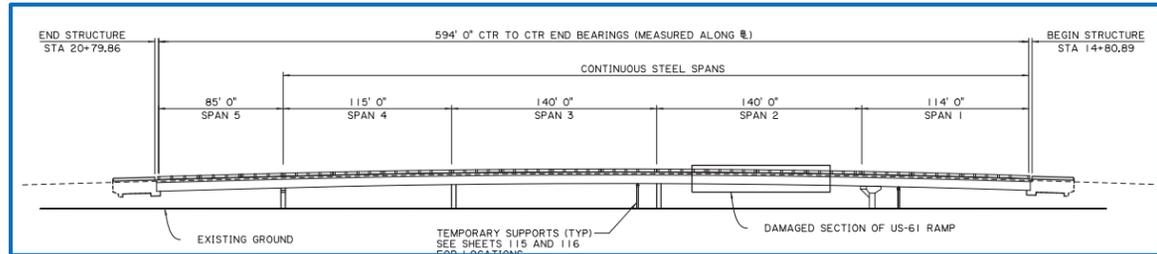
- In-depth inspection of all components of the superstructure and substructure.
- Ultrasonic testing of pins.
- LRFR Load rating utilizing 3-D FE modeling.
- Evaluation of the bridge and determination of proposed scope for rehabilitation.
- Develop final report with rehabilitation recommendations.
- Design of rehabilitation and preparation of construction plans.
- Develop special provisions and construction cost estimate.
- Provide construction support (approving submittals, responding to RFIs, site visits, change orders preparation).

Staff: Adnan Elsaad, PE, Osama Elsaad, PE; James Fussell, PE; Zhiyong Liang, PhD, PE; Hatem Seliem, PhD, PE; Mohsen Shahawy, PhD, PE; Feng Xie, PE.



Firm name	SDR Engineering Consultants, Inc. 	Past Performance Evaluation Discipline(s)	Bridge
Project name	I-10: WB on-Ramp From US-61		Firm responsibility (prime or sub?)
Project number	H.012302	Owner's name	DOTD
Project location	Sorrento, Ascension Parish, LA	Owner's Project Manager	Kian Yap, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, 225-375-1328, Kian.Yap@LA.GOV		
Services commenced by this firm (mm/yy)	06/16	Total consultant contract cost (\$1,000's)	\$298
Services completed by this firm (mm/yy)	10/17	Cost of consultant services provided by this firm (\$1,000's)	\$298

Interstate I-10 westbound on-ramp from US-61 is a curved steel plate girder bridge built in 1975. The bridge was struck by an over-height vehicle causing severe damage to the exterior girder. The total length of the bridge is 594'. The superstructure consists of two curved steel plate girders with a floor system acting compositely with concrete deck slab.



SDR's tasks included inspection of the bridge, design of the replacement span, develop repair details and construction plans, load testing after completion of the repair works, and providing construction support. Due to the continuity of the system, removing the exterior damaged girder would induce internal forces and deformation in the system rendering the construction to connect the girders very challenging. Such behavior was captured by the detailed three-dimensional finite element models using for structural analysis of the bridge structure during staged construction. The repair technique developed was to build the entire damaged span off-site and to slide in place using SPMT to provide minimal closure of I-10.

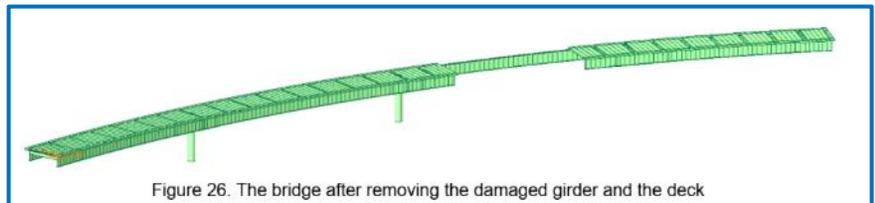
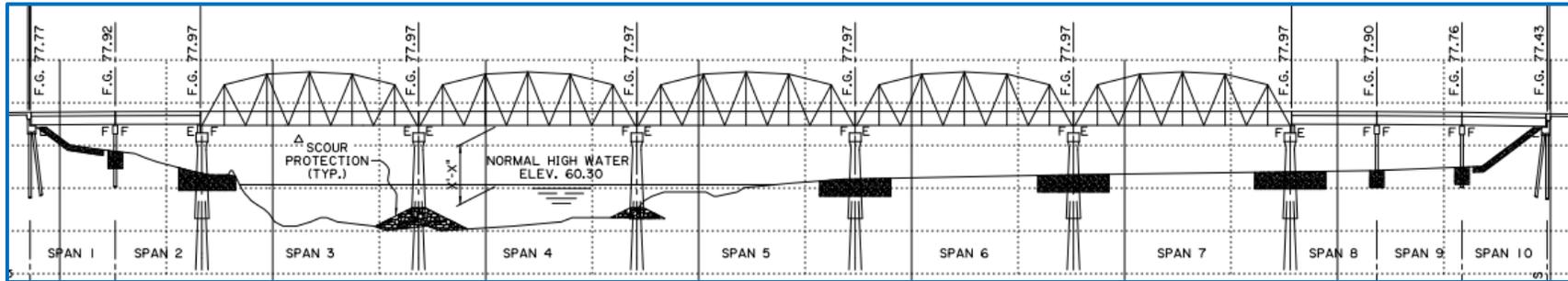


Figure 26. The bridge after removing the damaged girder and the deck

The team members involved in this project included: **Adnan Elsaad, PE, Osama Elsaad, PE; James Fussell, PE; Zhiyong Liang, PhD, PE; Hatem Seliem, PhD, PE; Mohsen Shahawy, PhD, PE; Feng Xie, PE.**

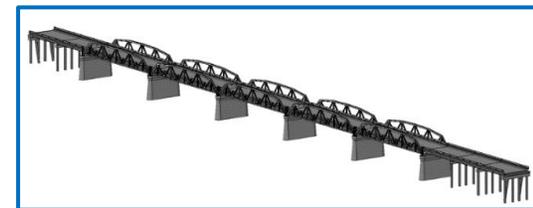
Firm name	SDR Engineering Consultants, Inc. 		Past Performance Evaluation Discipline(s)	Bridge
Project name	LA 66 Big Bayou Sara Bridge Rehab		Firm responsibility (prime or sub?)	Prime
Project number	H.002281	Owner's name	DOTD	
Project location	West Feliciana Parish, LA		Owner's Project Manager	Brian Delatte, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, 225-379-1328, Brian.Delatte@LA.GOV			
Services commenced by this firm (mm/yy)	01/13	Total consultant contract cost (\$1,000's)	\$540	
Services completed by this firm (mm/yy)	08/16	Cost of consultant services provided by this firm (\$1,000's)	\$540	



The bridge is historic (built in 1949) carrying LA-66 over Big Bayou Sara. It consists of five (5), 100' steel pony truss spans and five (5), 40' steel I-beam approach spans. Services provided included:

- In-depth inspection of the superstructure and substructure.
- Development of 3-D Finite Element models to determine internal forces.
- Evaluation of the existing structure and determine deficient elements.
- Design rehabilitation system for the superstructure and substructure.
- Develop preliminary and final plans for construction.
- Design of temporary steel, two-lane detour bridge to be constructed on north side of the existing bridge to maintain traffic during rehabilitation work on existing bridge.
- Develop cost estimation and schedule.
- Construction support (contractor's submittal, RFIs, site visits, change orders).

The team members involved in this project included: **Adnan El Saad, PE; James Fussell, PE; Zhiyong Liang, PhD, PE; Hatem Seliem, PhD, PE; Mohsen Shahawy, PhD, PE; Feng Xie, PE.**



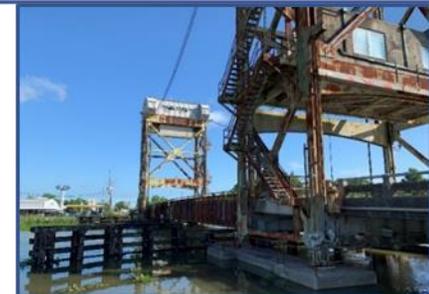
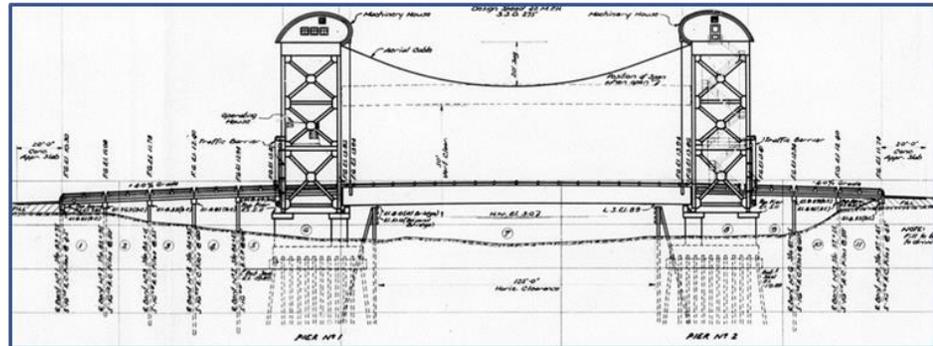
Firm name	SDR Engineering Consultants, Inc.		Past Performance Evaluation Discipline(s)*	Bridge
Project name	Load Rating of 18 Complex Bridges		Firm responsibility (prime or sub?)	Prime
Project number	H.009859.5	Owner's name	DOTD	
Project location	Lafourche Parish, LA	Owner's Project Manager	Dana Feng, PhD, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, 225-379-1060, Dana.Feng@LA.GOV			
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost (\$1,000's)	\$625	
Services completed by this firm (mm/yy)	06/19	Cost of consultant services provided by this firm (\$1,000's)	\$625	

The project was to evaluate and perform LRFR load rating analysis for the superstructure and substructure of 18 complex bridges. Several of the bridges were movable bridges, including four (4) swing span bridges, two (2) ponton span bridges, and one (1) vertical lift span bridge.

Scope of work included field investigation, extensive modeling of the structures using AASHTOWARE Bridge Rating and 3-D Finite Element Analysis. Detailed reports were developed for each bridge. 3-D Finite Element modeling was used when AASHTO Approximate Analysis utilized by AASHTOWare Bridge Rating (BrR) was not applicable.

Further the load rating of the vertical lift span, tower spans, and concrete approach spans reveals that few spans are deficient and are controlling the rating factors of the bridge, requiring the bridge to be posted. DOTD supplemented the project requiring SDR to further evaluate the bridge and perform a more rigorous analysis. The bridge was evaluated utilizing diagnostic load testing coupled with detailed 3-D Finite Element Analysis with the aim of eliminating the load posting. The evaluation results revealed that the bridge can carry loads higher than those estimated by AASHTO and that there is no need to post the bridge.

Staff: **Osama Elsaad, PE; Sarah Elsawah, EI; James Fussell, PE; Travis Honore, EI; Zhiyong Liang, PhD, PE; Mahmoud Manaa, PhD, EI; Hatem Seliem, PhD, PE; Sara Sotoud, PhD, EI; Feng Xie, PE.**

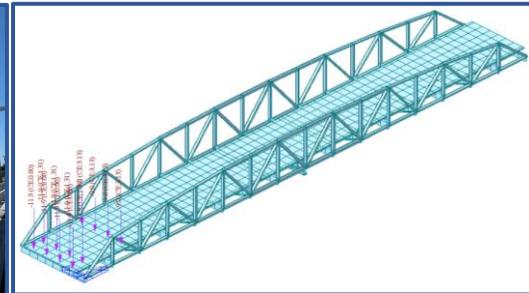


Firm name	SDR Engineering Consultants, Inc. 		Past Performance Evaluation Discipline(s)*	Bridge
Project name	Evaluation and Load Testing of Five Posted Bridges		Firm responsibility (prime or sub?)	Prime
Project number	H.009859.5	Owner's name	DOTD	
Project location	Statewide, LA		Owner's Project Manager	Dana Feng, PhD, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, (225) 379-1060, Dana.Feng@LA.GOV			
Services commenced by this firm (mm/yy)	05/19	Total consultant contract cost (\$1,000's)	\$343	
Services completed by this firm (mm/yy)	01/20	Cost of consultant services provided by this firm (\$1,000's)	\$343	

The scope of work was to evaluate five (5) bridges, three (3) of which are movable bridges, that were posted for a load lesser than the Legal Loads and/or Special Hauling Vehicles. The evaluation was carried out utilizing bridge inspection, and load testing coupled with detailed 3-D Finite Element Analysis with the aim of removing current load posting. This approach captures actual behavior of the structure and account for strength enhancing factors not included in design. Results reveal that the bridges can carry loads higher than those estimated by design codes.

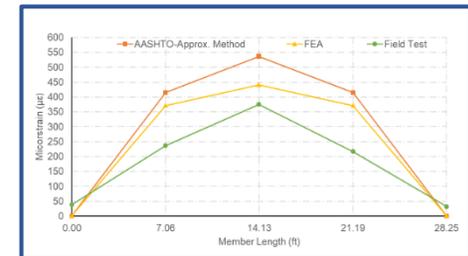


Recall No.	Parish	Type	Total Length (feet)
009690	Vermillion	Steel Plate Girder Swing Span	465
033700	Cameron	Steel Low Truss Swing Span	1,049
033730	Cameron	Steel Low Truss Swing Span	589



A strengthening and rehabilitation plan was also developed for the Mermentau Bridge (#033700) to avoid posting.

Team: **Adnan Elsaad, PE**; **Osama Elsaad, PE**; **Sarah Elsawah, EI**; **James Fussell, PE**; **Travis Honore, EI**; **Zhiyong Liang, PhD, PE**; **Mahmoud Manaa, PhD, EI**; **Hatem Seliem, PhD, PE**; **Mohsen Shahawy, PhD, PE**; **Shalin Sheth, EI**; **Feng Xie, PE**.

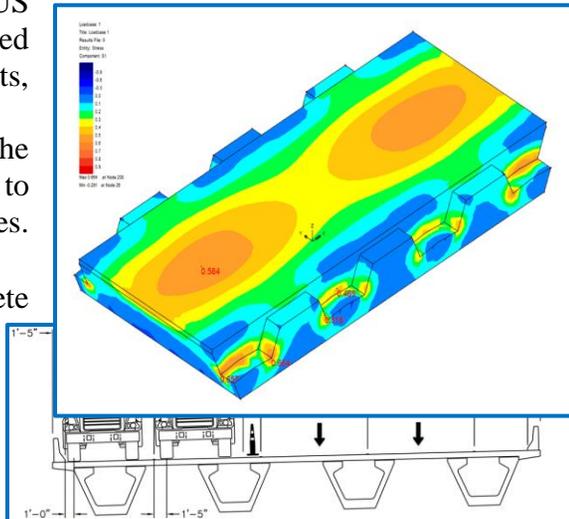


Firm name	SDR Engineering Consultants, Inc. 	Past Performance Evaluation Discipline(s)	Bridge
Project name	Evaluation, Instrumentation and Testing of the Inverted T type Piers caps of The Macarthur Drive Interchange (Westbank Expressway)	Firm responsibility (prime or sub?)	Sub
Project number	H.009933	Owner's name	DOTD
Project location	Jefferson Parish, LA	Owner's Project Manager	Chris B. Guidry, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, (225) 375-1328, Chris.Guidry@LA.GOV		
Services commenced by this firm (mm/yy)	05/12	Total consultant contract cost (\$1,000's)	\$170
Services completed by this firm (mm/yy)	07/12	Cost of consultant services provided by this firm (\$1,000's)	\$170

The 6-mile-long eastbound and westbound of US 90-Z (Westbank Expressway) has documented cracking of many of the bridge components, especially on the inverted T pier caps.

The scope of the project was to determine the current extent and activity level of cracking and to recommend repair and strengthening procedures. SDR conducted:

- In-depth inspection of the reinforced concrete caps and girder seat bearings.
- Development of 3-D FE modeling to study the state of stresses in the vicinity of cracks.
- Development of strut-and-tie models to evaluate of the adequacy of the existing reinforcement.
- Instrumentation and diagnostic load testing of three representative inverted-T pier caps utilizing strain gages and crack opening instrumentation.
- Development of repair recommendations.



Based on the test findings and bridge evaluation, several repair options were recommended including installation of near-surface-mounted CFRP bars, installation of externally bonded CFRP wraps, or installation of post-tensioning bars through bridge deck.

Staff: **Adnan Elsaad, PE**; **Zhiyong Liang, PhD, PE**; **Mohsen Shahawy, PhD, PE**.

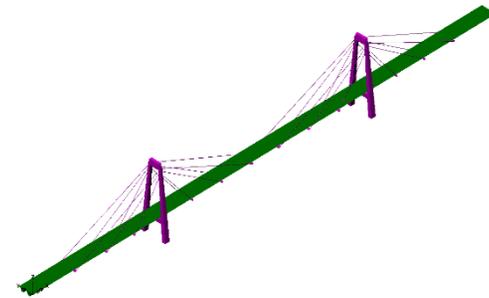
Firm name	SDR Engineering Consultants, Inc. 	Past Performance Evaluation Discipline(s)	Bridge
Project name	Luling Bridge Rehabilitation		Firm responsibility (prime or sub?) Prime
Project number	H.010498	Owner's name	DOTD
Project location	St. Charles, LA	Owner's Project Manager	Chris B. Guidry, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, (225) 375-1328, Chris.Guidry@LA.GOV		
Services commenced by this firm (mm/yy)	07/13	Total consultant contract cost (\$1,000's)	\$667
Services completed by this firm (mm/yy)	07/15	Cost of consultant services provided by this firm (\$1,000's)	\$667

The Luling Bridge (Hale Boggs Memorial Bridge) is a five-span cable-stayed bridge with twin steel towers supporting the cables and a floor beam-stringer deck system. The bridge's orthotropic deck overlay has a history of cracking and spalling starting shortly after the bridge being placed into service. Inspection of the bridge indicated cracks at the connection of a web stiffener to the deck plate, and rocker bearings for approach span support at Pier 1S may have permanent locked inward tilting.



PROJECT FEATURES:

- Investigation of the existing condition of the bridge structure including existing fatigue prone details, and the extent of the existing cracks.
- Load rating of the bridge superstructure using LRFR method in accordance with the DOTD Bridge Load Rating Manual.
- Development of 3-D FE models to investigate the cause of the fatigue cracks.
- Evaluation report with repair recommendations.
- Preparation of the bridge rehabilitation design documents and repair details for the individual required repairs for the bridge structure.
- Development of appropriate construction staging/phasing schemes.
- Cost estimation and schedule.

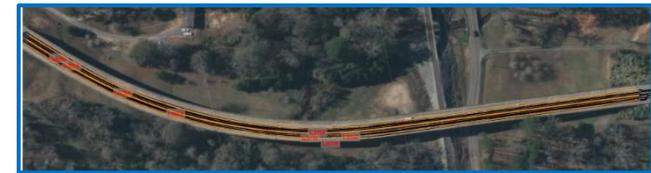


Team: **Adnan Elsaad, PE; Osama Elsaad, PE; James Fussell, PE; Zhiyong Liang, PhD, PE; Hatem Seliem, PhD, PE; Mohsen Shahawy, PhD, PE; Feng Xie, PE.**

Firm name	SDR Engineering Consultants, Inc. 	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Bridge Deck Evaluation using Ground Penetrating Radar		Firm responsibility (prime or sub?)
Project number	H.009730.5	Owner's name	DOTD
Project location	Statewide, LA	Owner's Project Manager	Haylye Brown, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, (225) 379-1500, Haylye.Brown@LA.GOV		
Services commenced by this firm (mm/yy)	05/20	Total consultant contract cost (\$1,000's)	\$146
Services completed by this firm (mm/yy)	01/21	Cost of consultant services provided by this firm (\$1,000's)	\$146

The scope of the project is to use air-launched Ground Penetrating Radar (GPR) to evaluate the overall deck condition of five (5) bridges.

Bridge	Recall No.	Location	Bridge Length	No. of Spans	ADT
I-10 over Atchafalaya Floodway	300240	Lafayette	4.4 miles	322	28,300
LA 546 over ICG RR	050090	Monroe	0.3 miles	21	2,200
LA 594 over I-20	025190	Monroe	0.1 miles	6	12,220
Us 90 over Bayou Beouf	610211	Baton Rouge	2.3 miles	179	12,650
I-55 over Pass Manchac	062080	Hammond	0.6 miles	51	2,400

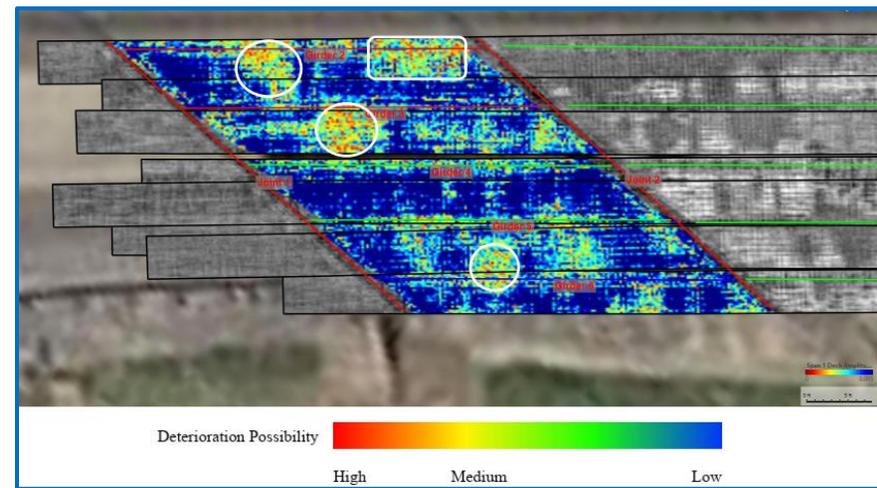


The tasks included:

- Plans and records review.
- Deck evaluation plans.
- Field evaluation using GPR.
- Data analysis and reporting

The collected GPR data was analyzed and presented as contour maps to determine cracking; deterioration (spalling and/or exposed reinforcement); cover depth; voids; steel corrosion; and concrete quality. Based on findings an overall deck condition was established along with the recommended level of inspection.

Team: **Osama Elsaad, PE; James Fussell, PE; Travis Honore, EI; Zhiyong Liang, PhD, PE; Mahmoud Manaa, PhD, EI; Shalin Sheth, EI; Feng Xie, PE, Dylan Boudreaux ; Jean Pierre Thompson**



Firm name	Forte and Tablada, Inc. FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey
Project name	Belle Chasse Bridge and Tunnel Replacement		Firm responsibility (prime or sub?)	Prime
Project number	S.P. No. H.004791.5	Owner's name	DOTD	
Project location	Plaquemines Parish, LA		Owner's Project Manager	Stanley Ard
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1292, Stanley.Ard@la.gov			
Services commenced by this firm (mm/yy)	05/17	Total consultant contract cost (\$1,000's)	\$401.7	
Services completed by this firm (mm/yy)	10/18	Cost of consultant services provided by this firm (\$1,000's)	\$249.6	

Forte and Tablada provided comprehensive topographic surveying services for the Belle Chasse Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway surfaces, and multi-beam 3-D hydrographic surveying.

The primary challenge for this project was to complete the topographic survey, while not shutting down travel on the bridge nor tunnel. In order to perform a traditional topographic survey, the feature being measured must be in physical reach of the equipment operator. Forte and Tablada was able to overcome this challenge through the use of remote sensing technology. Remote sense was used in the form of LiDAR for the bridge and overpass, and multi-beam sonar for the water bottom and top of tunnel. A robot was fabricated by Forte and Tablada staff to ride the bridge rail with the LiDAR scanner in order to avoid lane closures and improve the safety of equipment operators.



Laser Scan and Hydrographic Survey of Belle Chasse Bridge and Tunnel project area

Project Team:

Joey Coco, P.E., Principal-In-Charge
 Will Fontenot, P.L.S., Surveyor-in-Charge
 Jerry Middleton, Jr., P.L.S., Party Chief/Technician
 Steve LeBlanc, P.L.S., Party Chief/Technician
 Jonathan Coco, Adv. Measurements Dept. Leader
 Ross Wilson, P.L.S., Project Manager
 Brent Campbell, Senior Technician
 Tommy Lake, Party Chief

Firm name	Forte and Tablada, Inc. FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Bridge
Project name	Retainer Contract for Off-System Complex Bridge Load Rating – TO1		Firm responsibility (prime or sub?)	Prime
Project number	S.P. No. H.009859.5	Owner's name	DOTD	
Project location	Statewide, LA		Owner's Project Manager	Dana Feng, P.E.
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1200, Dana.Feng@LA.gov			
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost (\$1,000's)	\$1,316.8	
Services completed by this firm (mm/yy)	02/19	Cost of consultant services provided by this firm (\$1,000's)	\$1,136.4	

As part of a Load Rating retainer contract with DOTD, Forte and Tablada was tasked with inspecting and load rating 12 complex off-system complex bridges statewide. The type of bridges included nine (9) movable bridges (including vertical lift and swing-spans), a steel truss bridge, and two (2) ferry access bridges that were composed of steel truss, movable, and pontoon spans. Where existing plans were not available, 3-D laser scanning was utilized to capture complicated geometry and to assist in the load rating and in the development of bridge load rating plans. The inspection also included the use of an ultrasonic thickness gage to verify member thickness, as well as detailed measurements to determine connection details. The scope of work also included the submittal of an Inspection Report and a Load Rating Report in accordance with the requirements of the DOTD Bridge Design and Evaluation Manual (BDEM).



St. Claude Bridge for Port of New Orleans Inspected and Rated

Project Team:

Joey Coco, Jr., P.E. - Principal-in-Charge
Joffrey Easley, P.E. - Project Manager
 Jason Fennell, P.E.
Levi Yantis, P.E.
 Brandon Bollich, E.I.

Firm name	Forte and Tablada, Inc. 	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Retainer Contract for Complex Bridge Rating Statewide, LA	Firm responsibility (prime or sub?)	Sub-consultant
Project number	H.009859.5	Owner's name	LA DOTD c/o TRC Solutions
Project location	Statewide, LA	Owner's Project Manager	Durk Krone, P.E., (TRC)
Owner's address, phone, email	8550 United Plaza Boulevard, Suite 502, Baton Rouge, LA 70809, 225-216-7483, DKrone@trccompanies.com		
Services commenced by this firm (mm/yy)	05/16	Total consultant contract cost (\$1,000's)	Unknown
Services completed by this firm (mm/yy)	10/19	Cost of consultant services provided by this firm (\$1,000's)	\$130.0

As part of this retainer contract, Forte and Tablada, Inc. load rated the US 90 West Middle River Bridge near the Louisiana/Mississippi border. This bridge was constructed in 1933 and includes conventionally reinforced concrete approach spans, as well as a three polygonal Warren pony through-truss spans. The scope of work included:

1. Performed a detailed inspection of the steel through-trusses, as well as the approach spans superstructure and pile bents. Inspection included detailed measurements of truss members, including gusset plates and rivets, and a determination of section loss for deteriorated members. In addition to gathering this information using an ultrasonic thickness gage, 3-D laser scans were also used to gather this information.
2. Performed a load rating of all approach span components and the steel through-trusses. Load rating was performed in AASHTOWare BrR, LEAP Bridge, STAAD, and miscellaneous in-house spreadsheets and Mathcad documents. Load rating considered existing condition of the members, including any section loss that had occurred.
3. Provided an inspection report summarizing the condition of the bridge, any critical findings, field measurements, photographs, and any other documentation that was gathered.
4. Provided a load rating summary report summarizing any assumptions that were required to complete the load rating, all structural models that were used to perform the load rating, and all spreadsheets that summarized the results of the load rating.



Complex Truss Bridge Being Inspected for Load Rating Analysis

Project Team:

Sam Amoroso, Ph.D., P.E., S.E.
 Joey Coco, Jr., P.E. – Principal-in-Charge
Joffrey Easley, P.E. – Project Manager
 Jason Fennell, P.E.
 Levi Yantis, E.I

Firm name	Forte and Tablada, Inc. FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey
Project name	Sunshine Bridge Emergency Repair		Firm responsibility (prime or sub?)	Sub
Project number	4400010587	Owner's name	DOTD	
Project location	St. James Parish, LA		Owner's Project Manager	Stanley Ard
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1292, Stanley.Ard@la.gov			
Services commenced by this firm (mm/yy)	10/18	Total consultant contract cost (\$1,000's)	\$618	
Services completed by this firm (mm/yy)	12/18	Cost of consultant services provided by this firm (\$1,000's)	\$618	

Forte and Tablada provided topographic surveying and terrestrial LIDAR services for the LA DOTD Sunshine Bridge Emergency Repair project following the severe impact of a barge mounted crane with the lowest horizontal bridge chord. The severity of the structural damage forced the closure of the bridge resulting in disruption and re-routing of a large volume of industrial and general population motorists. Due to the elimination of this major corridor for commerce and its consequences, an expeditious and time efficient rehabilitation was paramount. Forte and Tablada worked with a design team to formulate a practical solution for obtaining advanced measurements that were unachievable with traditional measuring practices which were required for the structural analysis and repair design for the bridge. Forte and Tablada surmounted the challenges of the repair effort through the use of LIDAR techniques employing innovative applications to provide the necessary data for the bridge repair analysis and inventive construction of an apparatus needed to apply these techniques.

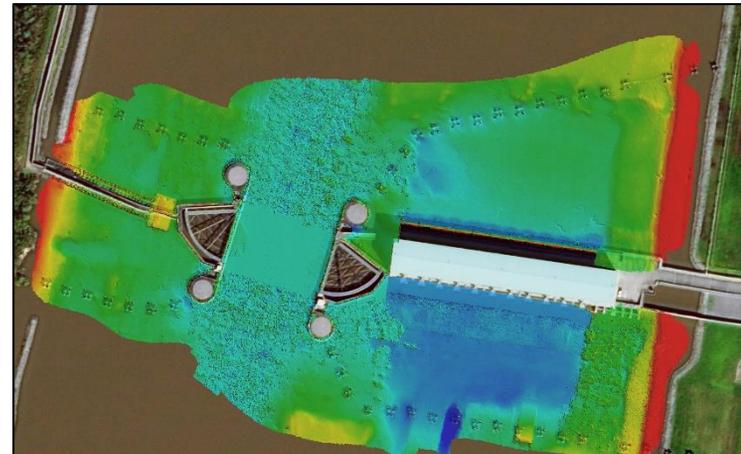


Laser Scan Survey of Sunshine Bridge in Donaldsonville, LA

Project Team:
Russell "Joey" Coco, Jr., P.E., Principal-in-Charge
Wilfred Fontenot, P.L.S., Surveyor
Jonathan Coco, Adv. Measurements Dept. Leader
Ross Wilson, P.L.S., Surveyor
Brent Campbell, Senior Technician
Tommy Lake, Party Chief

Firm name	Forte and Tablada, Inc. FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey
Project name	Westbank Closure Complex Multi-Beam Hydrographic Survey		Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	SLFPA-West, c/o- Jesse Noel, P.E., jnoel@slfpaw.org; (504) 371-6847	
Project location	Belle Chase, LA		Owner's Project Manager	Jesse Noel, P.E.
Owner's address, phone, email	SLFPA-West, c/o- Jesse Noel, P.E., jnoel@slfpaw.org; (504) 371-6847			
Services commenced by this firm (mm/yy)	9/21	Total consultant contract cost (\$1,000's)		\$12,500
Services completed by this firm (mm/yy)	9/21	Cost of consultant services provided by this firm (\$1,000's)		

During Hurricane Ida, the South Louisiana Flood Protection Authority - West, operated the Westbank Closure Complex near pumping capacity and was interested to know whether or not scour had formed on the outfall and suction side of the pump station. Forte and Tablada mobilized to the site within three days of Hurricane Ida's passing. Utilizing a shallow draft vessel equipped with advanced multi-beam sonar equipment, Forte and Tablada performed a comprehensive survey extended bank-to-bank of the station and beyond the protection fenders for a global depiction of scour. Scour results were presented in a color ramped elevation map, as well as imagery showing the presence of debris on an intake screen.



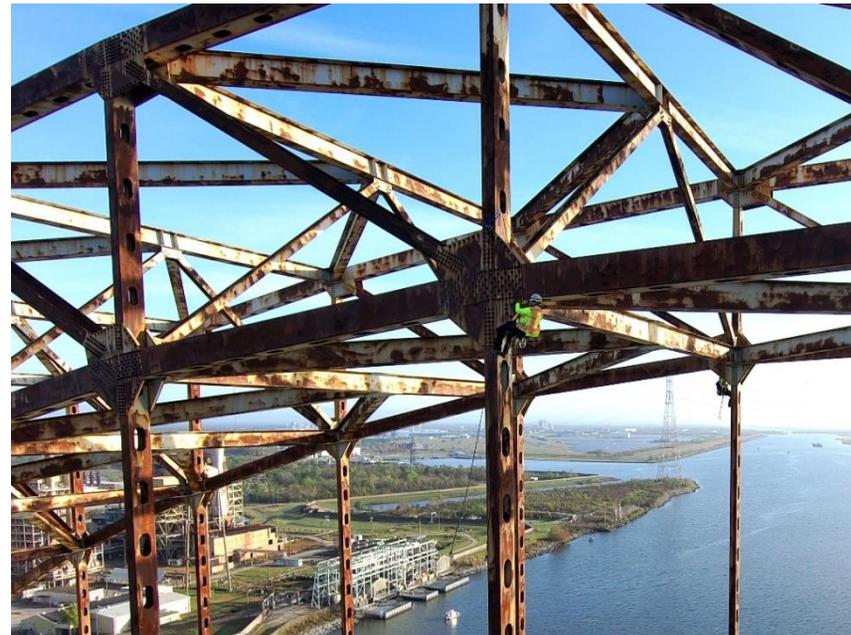
Multi-Beam Hydrographic Survey of Closure Complex

Project Team:
 Joey Coco
 Brent Campbell
 Spencer Rimes
 Brad Holleman

Firm name	Burgess & Niple, Inc. (B&N)		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. 4400004920	Owner's name	DOTD	
Project location	Various Locations, Louisiana		Owner's Project Manager	Billy Metcalf
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA (225) 379-1060, william.metcalf@la.gov			
Services commenced by this firm (mm/yy)	04/16	Total consultant contract cost (\$1,000's)	\$3,600+/-	
Services completed by this firm (mm/yy)	ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$615	

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

B&N's role, as part of TRC's team, included hands-on, in-depth inspections of multiple On-System trusses, including the main spans of the LA47 Intracoastal Waterway Gulf Outlet (IWGO/MRGO) bridge, LA2 over Red River (Millers Bluff), and the deck truss spans of US90 Riverbound in New Orleans. Specialized, adapted rope access techniques were utilized in the field to minimize and/or eliminate the need for costly, time-consuming mechanical access and traffic control. Accurate and detailed field notes were developed for the purposes of load rating all primary truss & floor system members and gusset plates, as well. Tablet computers (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 for the purposes of load rating the bridges in accordance with the LRFR methodology. B&N was also responsible for the load rating of the LA2 (Millers Bluff) bridge. Additional work performed as part of Task Order 5 included field assessments and load ratings of 29 Off-System bridges in northwest Louisiana.



Key Staff: Cinadr, Prendeville, Poorman, Kronander, Appler, Case, Goodrich, Richardson, Langdon, Bowie

Firm name	Burgess & Niple, Inc. (B&N)		Past Performance Evaluation Discipline(s)*	Bridge
Project name	Oregon Major Bridge Inspections		Firm responsibility (prime or sub?)	Prime
Project number	B34825	Owner's name	Oregon DOT	
Project location	Various Locations, Oregon		Owner's Project Manager	Joel E. Boothe, PE
Owner's address, phone, email	4040 Fairview Industrial Dr. Salem, OR 97302, 503.986.3337, Joel.E.Boothe@odot.state.or.us			
Services commenced by this firm (mm/yy)	06/18	Total consultant contract cost (\$1,000's)	\$1,431	
Services completed by this firm (mm/yy)	ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$1,431	

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

This ongoing project involves FC, in-depth, and routine inspections of various bridges throughout the state of Oregon. On the State Major Bridge contract, ten bridges including through trusses, deck trusses, arch trusses, steel box girders, and steel tower bents receive FC and/or in-depth inspections. The most complex bridges include the Astoria-Megler truss bridge with a main span of 1232 feet and the Coos Bay McCullough bridge with a main span of 793 feet. Gusset plate conditions are also systematically documented for the purposes of load rating. Recent work also included in-depth inspections of major timber trestle structures including the use of timber boring resistograph NDT methods. Element and defect data are collected, all SI&A inventory data is updated, and NBI Rating data are input into Oregon's BrM database. Condition photographs, a narrative, summary, and repair recommendations for each bridge are included in each report.



Key Staff: Cinadr, Prendeville, Poorman, Kronander, Hyland, Fillmore, Strehler, Case, Goodrich, Langdon, Maurer, Aker, Villier, Bowie

Firm name	Burgess & Niple, Inc. (B&N)		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-2300	Owner's name	Oklahoma DOT	
Project location	Statewide, Oklahoma		Owner's Project Manager	Wes Kellogg, PE
Owner's address, phone, email	200 NE 21 st Street, Oklahoma City, OK 73105, 405.522.4819, wkellogg@odot.org			
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost (\$1,000's)		\$2,046
Services completed by this firm (mm/yy)	ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$2,046

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

This project includes NBIS FC, Routine, and In-Depth bridge inspections of 50 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.



Key Staff: Cinadr, Prendeville, Poorman, Kronander, Hyland, Fillmore, Strehler, Case, Goodrich, Langdon, Aker, Whaley, Bowie

Firm name	Burgess & Niple, Inc. (B&N)		Past Performance Evaluation Discipline(s)*	Bridge
Project name	Oklahoma DOT Off-System Truss & FC Bridge Inspections		Firm responsibility (prime or sub?)	Prime
Project number	CI-2299A	Owner's name	Oklahoma DOT	
Project location	Statewide, Oklahoma		Owner's Project Manager	Wes Kellogg, PE
Owner's address, phone, email	200 NE 21 st Street, Oklahoma City, OK 73105, 405.522.4819, wkellogg@odot.org			
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost (\$1,000's)		\$1,738
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$1,738

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

This project includes NBIS FC, Routine, and In-Depth bridge inspections of 91 steel truss and girder bridge structures (local agency owned) located throughout the state. 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.



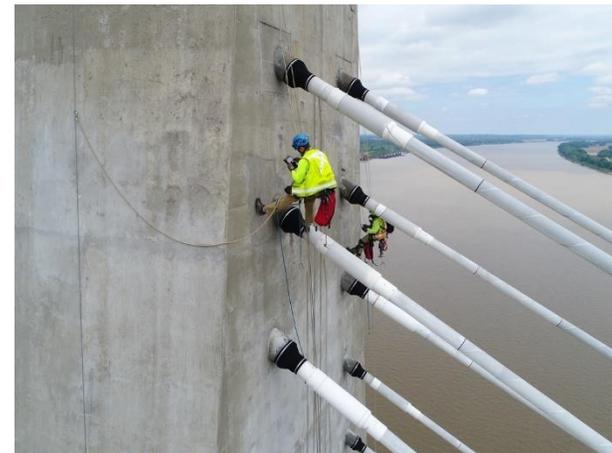
Key Staff: Cinadr, Prendeville, Poorman, Kronander, Hyland, Fillmore, Strehler, Case, Goodrich, Langdon, Aker, Whaley, Bowie

Firm name	Burgess & Niple, Inc. (B&N)		Past Performance Evaluation Discipline(s)*	Bridge
Project name	KYTC Ohio River Bridge – Fracture Critical Inspections		Firm responsibility (prime or sub?)	Prime
Project number	2018-04-3 & 2020-05-4	Owner’s name	Kentucky Transportation Cabinet	
Project location	Statewide, Kentucky		Owner’s Project Manager	Dora Alexander, PE
Owner’s address, phone, email	200 Mero Street, Frankfort, KY 40601, 502.564.4556, dora.alexander@ky.gov			
Services commenced by this firm (mm/yy)	04/18	Total consultant contract cost (\$1,000’s)		\$975
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm (\$1,000’s)		\$975

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

This project includes NBIS FC, Routine, and In-Depth bridge inspections of 10 Ohio River crossing bridge including two cable-stayed structures (William H Natcher in Owensboro, KY and the William H. Harsha in Maysville, KY). Tasks on each structure include inspecting FC members at arm’s length with industrial rope access and modified fall protection techniques. All cables were rolled their full length and anchorages were inspected at the top and bottom of the stays. The floor system of each structure was inspected utilizing a combination of mechanical and rope access. 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. Rehabilitation plans were developed for the William H Natcher Bridge which included replacing of the overlay and deck joints. A load rating was prepared for the Harsha Bridge which included modeling the cable stay spans in MIDAS Civil. B&N was recently awarded a contract from KYTC which includes in-depth inspections, analysis, and rehab of the cable system for each structure.

Key Staff: Cinadr, Prendeville, Poorman, Kronander, Villier, Goodrich, Aker, Bowie

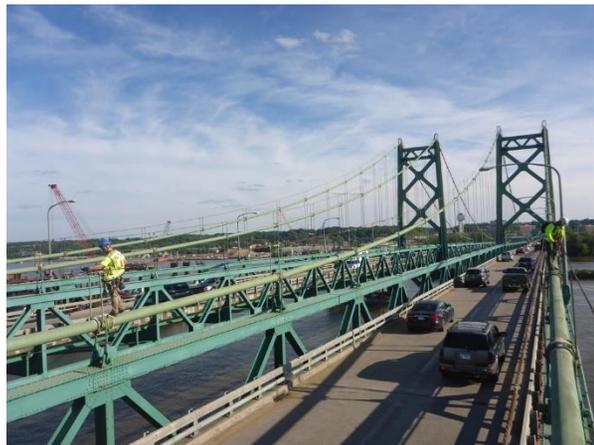
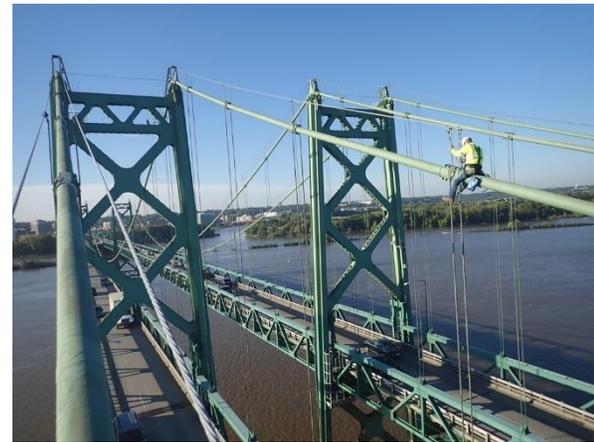


Firm name	Burgess & Niple, Inc. (B&N)		Past Performance Evaluation Discipline(s)*	Bridge
Project name	Iowa DOT EB & WB I-74 Iowa-Illinois Memorial Bridges		Firm responsibility (prime or sub?)	Prime
Project number	2046A	Owner's name	Iowa DOT	
Project location	Statewide, Oklahoma		Owner's Project Manager	Michael Todson, PE
Owner's address, phone, email	800 Lincoln Way, Ames, IA 50010, 515.233.7726, Michael.todson@iowadot.us			
Services commenced by this firm (mm/yy)	09/18	Total consultant contract cost (\$1,000's)		\$180
Services completed by this firm (mm/yy)	01/19	Cost of consultant services provided by this firm (\$1,000's)		\$180

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

This project includes NBIS FC, Routine, and In-Depth bridge inspections of two suspension bridges with stiffening trusses and pony truss approach spans. Tasks on each structure include inspecting FC members at arm's length including the lengths of all suspension cables, top and bottom hanger cable anchorages, and interior and exterior of each steel tower. Access was accomplished 100% utilizing industrial rope access and modified fall protection techniques. 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 for each bridge. Elevation and plan view drawings were created and marked locating significant deficiencies and/or safety issues. 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.

Key Staff: Cinadr, Kronander, Hyland, Fillmore



Firm Name:	Stanley Consultants, Inc. 	Past Performance Evaluation Discipline(s)*	Road
Project Name:	1-12: LA 1077 to US 190	Firm Responsibility (prime or sub?)	Prime
Project Number:	H.011137.5	Owner's Name:	DOTD
Project Location:	St. Tammany Parish, LA	Owner's Project Manager:	Jacob Fusilier, PE, PMP
Owner's Address, Phone, Email:	1201 Capitol Access Rd, Baton Rouge, LA, 225.379.1185, jacob.fusilier@la.gov		
Services commenced by this firm (mm/yy):	09/16	Total consultant contract cost (\$1,000's):	\$2,755
Services completed by this firm (mm/yy):	Ongoing	Cost of consultant services provided by this firm (\$1,000's):	\$2,200

This project involves engineering and related services required 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 West bound directions, including auxiliary lanes connecting Pinnacle Parkway across the Tchefuncte River to US 190. The project begins just west of LA 21 and ends just west of US 190 for approximately 3.50 miles. The LA 21 Interchange is included within this project. The US 190 Interchange is not included with this project.

As the Prime Consultant, the Stanley Consultants led team provided all engineering services required for preliminary and final roadway design plans, preliminary and final bridge design plans geotechnical services, Independent Contractor Esti-mate (ICE) and Critical Path Modeling (CPM). This project highlights our previous successes in designing complex maintenance of traffic plans. Members involved that are used in this proposal:

- » Jesse Tisdale, PE – Project Manager
- » Adam Fields, PE – Lead Designer
- » Blake Roussel, PE, PMP – QA Reviewer
- » Jackie Wood – Designer
- » Jared Blohowiak – Engineer Intern
- » Kayla Lafitteau – Engineer Intern



Firm Name:	Stanley Consultants, Inc. 	Past Performance Evaluation Discipline(s)*	Road
Project Name:	LA 30 Roundabouts at Tanger I-10	Firm Responsibility (prime or sub?)	Prime
Project Number:	H.010960.5	Owner's Name:	DOTD
Project Location:	Ascension Parish, LA	Owner's Project Manager:	Joshua Harrouch, PE, PTOE
Owner's Address, Phone, Email:	1201 Capitol Access Rd, Baton Rouge, LA, 225.242.4640, Joshua.harrouch@la.gov		
Services commenced by this firm (mm/yy):	03/17	Total consultant contract cost (\$1,000's):	\$645
Services completed by this firm (mm/yy):	12/21	Cost of consultant services provided by this firm (\$1,000's):	\$475

This project involves engineering and related services to develop construction plans for roundabouts at the intersection of LA 30 and Tanger Blvd, and at the Eastbound and Westbound ramp termini at the LA 30 and I-10 Interchange in Gonzales, LA.

Stanley Consultants facilitated a predesign kickoff meeting, coordinated a topographic survey, and SUE services between the DOTD and multiple subconsultants. Early and often coordination with the Department's Traffic and Road Design Sections has resolved concerns relating to constructability issues and roundabout operations. Design decisions, criteria, and geometry have been developed to suite the large retail center's average daily traffic and heavy trucking presence.

As the Prime Consultant, the Stanley Consultants led team provided all engineering services required for preliminary and final roadway design plans. This project highlights our previous successes in designing complex maintenance of traffic plans.

Members involved that are used in this proposal:

- » Jesse Tisdale, PE – Project Manager
- » Blake Roussel, PE, PMP – QC Reviewer
- » Adam Fields, PE – Lead Designer
- » Jackie Wood – Designer
- » Jared Blohowiak – Engineer in Training
- » Kayla Lafitteau – Engineer in Training



Firm Name:	Stanley Consultants, Inc. 	Past Performance Evaluation Discipline(s)*	Road
Project Name:	US 171 at Boone St. Roundabout	Firm Responsibility (prime or sub?)	Prime
Project Number:	H.011909.5	Owner's Name:	DOTD
Project Location:	Vernon Parish, LA	Owner's Project Manager:	Joshua Harrouch, PE, PTOE
Owner's Address, Phone, Email:	1201 Capitol Access Rd, Baton Rouge, LA, 225.242.4640, Joshua.harrouch@la.gov		
Services commenced by this firm (mm/yy):	03/17	Total consultant contract cost (\$1,000's):	\$582
Services completed by this firm (mm/yy):	12/21	Cost of consultant services provided by this firm (\$1,000's):	\$413

This project involves engineering and related services to develop construction plans for a multi-lane (Hybrid) roundabout at the intersection of US 171 and Boone Street to allow for improvements to safety and efficiency, while utilizing best access management practices along the corridor.

Stanley Consultants facilitated a predesign kickoff meeting and coordinated a topographic survey. Early and continuous stakeholder coordination between the DOTD and City of Leesville have alleviated confusion and allowed the team to educate the community on the drive ability of roundabouts. Design decisions, criteria, and geometry have been developed to suite the large timber trucking presence. The design of best access management practices is also underway along the US 171 corridor. Median closures, right-in/right-out driveways, dedicated left turn lanes within the median allowing necessary storage, R-cuts, and U-turns with bulbouts are designed to improve safety and functionality of the corridor. Complete Streets policies are also included within the roundabout design allowing bicyclist and pedestrians a safer means of travel along US 171 into the heart of Leesville.

As the Prime Consultant, the Stanley Consultants led team provided all engineering services required for preliminary and final roadway design plans. This project highlights our previous successes in designing complex maintenance of traffic plans.

Members involved that are used in this proposal:

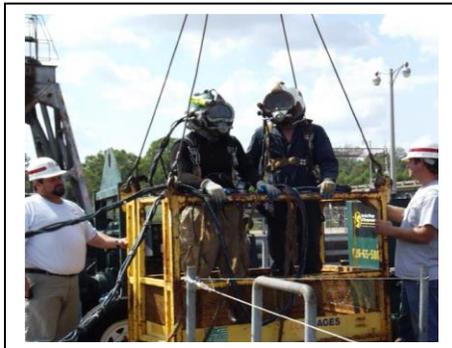
- » Jesse Tisdale, PE – Project Manager
- » Blake Roussel, PE, PMP – QC Reviewer
- » Adam Fields, PE – Lead Designer
- » Jackie Wood – Designer
- » Jared Blohowiak – Engineer in Training
- » Kayla Lafitteau – Engineer in Training



Firm name	Specialty Diving of Louisiana, Inc. 	Past Performance Evaluation Discipline(s)*	Bridge
Project name	(2) Professional Diving Services Contract (5 years Each)	Firm responsibility (prime or sub?)	prime
Project number	W912P8-11-D-0021 W912P8-16-D-0013	Owner's name	United States Army Corp of Engineers , New Orleans District
Project location	(14) Locks & Dams Throughout Louisiana	Owner's Project Manager	Renee Scholl
Owner's address, phone, email	7400 Leake Ave., New Orleans, LA 70116 - (504) 862-108 - renee.s.scholl@usace.army.mil		
Services commenced by this firm (mm/yy)	09/11	Total consultant contract cost (\$1,000's)	
Services completed by this firm (mm/yy)	09/21	Cost of consultant services provided by this firm (\$1,000's)	\$6,000

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

Professional diving services for 14 Locks and Dams when needed, throughout Louisiana for over ten years. Over 200 Task Orders for professional diving services including railroad bridge investigation, IHNC Surge Barrier inspection, setting cofferdams, pulling pintle gate, identify sunken obstructions, work on dredge wheeler. Emergency job call outs with five-hour response time. Debris removal, maintenance on structures; gates, screens, locks, and salvage and hurricane damage assessments. Jetting, burning, haz-mat, pressure washing, use of various underwater tools required, burning, welding, jetting, confined space entries, salvage.



TO#03: Divers penetrated into valve pit and cleaned seal at Old River Lock. Utilizing crane and man basket, divers lowered 50' to reach water, then work in 25' water depth to clear isolation gate.



Project Team: Marshall Whitmer, Paul Bartow, Jeff Williamson, Ben Swan, Jovon Evins, Kenyata Kalisana, Jameson Grames

Firm name	Specialty Diving of Louisiana, Inc. 	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Underwater Bridge Inspections	Firm responsibility (prime or sub?)	
Project number	Contract No. 4400003534	Owner's name	Louisiana Dept. of Transportation
Project location	District #02 & District #62	Owner's Project Manager	Haylye Brown
Owner's address, phone, email	1212 East Highway Drive, Baton Rouge, LA 70802 (225) 379-1500 - Haylye.brown@la.gov		
Services commenced by this firm (mm/yy)	07/14	Total consultant contract cost (\$1,000's)	
Services completed by this firm (mm/yy)	09/15	Cost of consultant services provided by this firm (\$1,000's)	\$4,200

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



Underwater inspection of all submerged bridge elements and splash zone area, including the Bonne Carre Bridge & Highway 11 Bridge. Working with ECM Consultants, Inc. as our sub-consultant, to provide underwater inspections to include Level I, II and III inspections to identify significant structural defects and anomalies. DVD's and formal reports submitted. Over 300 bridges inspected. Reports were generated to include structure number, crossing description, recall number, inspection staff, and date of inspection, depth, flow rate, elements, and conditions.



Working on various platforms, bridges, barges, workboats, the crews encountered wildlife issues to contend with, alligators and snakes.

Project Team: Marshall Whitmer, Paul Bartow, Jeff Williamson, Ben Swan, Kenyata Kalisana

Firm name	KTA-Tator, Inc. 		Past Performance Evaluation Discipline(s)*	Bridge
Project name	I-10 Calcasieu River Bridge		Firm responsibility (prime or sub?)	Sub
Project number	44000005960	Owner's name	Louisiana DOTD (HNTB, prime consultant)	
Project location	Baton Rouge, LA		Owner's Project Manager	James Gregg, HNTB
Owner's address, phone, email	10000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810 225-368-2815 jgregg@hntb.com			
Services commenced by this firm (mm/yy)	03/16	Total consultant contract cost (\$1,000's)	\$1,000	
Services completed by this firm (mm/yy)	05/16	Cost of consultant services provided by this firm (\$1,000's)	\$19	



The I-10 Calcasieu River Bridge carries I-10 over local roads, railroads, and the southern end of the Calcasieu River where it flows into Lake Charles. The bridge was constructed in 1952 and is a through truss structure.

In 2016, as a subconsultant to HNTB, KTA performed a coating condition assessment (visual examination, degree of rusting, coating system thickness and adhesion, substrate examination, and collection of samples for laboratory testing). The laboratory investigation consisted of microscopic examination, infrared spectroscopy (to determine the generic type of coating present), and ion chromatography. Schneider Laboratories Global, Inc. was engaged to perform inductively coupled plasma spectroscopy to detect total lead, chromium, and cadmium present. A report was prepared detailing the results of the assessment and laboratory testing and providing maintenance painting recommendations for the existing coating system on the bridge.

KTA also performed UT inspection services on the bridge pins, reviewed the inspection data, and prepared an opinion regarding the condition of the pins.

KTA Personnel: James A. Kretzler (supervision of UT inspection services)

Firm name	KTA-Tator, Inc. 		Past Performance Evaluation Discipline(s)*	Bridge
Project name	I-310 Luling Bridge and US 90 Morgan City Bridges		Firm responsibility (prime or sub?)	Sub
Project number	44000005960, TO 2	Owner's name	DOTD (HNTB Corporation – prime consultant)	
Project location	Luling and Morgan City, LA		Owner's Project Manager	James P. Gregg, HNTB
Owner's address, phone, email	10000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810 225-368-2815 jgregg@HNTB.com			
Services commenced by this firm (mm/yy)	02/17	Total consultant contract cost (\$1,000's)	\$5,000	
Services completed by this firm (mm/yy)	05/17	Cost of consultant services provided by this firm (\$1,000's)	\$27	



The I-310 Bridge over the Mississippi River is referred to as the Hale Boggs Bridge or the Luling Bridge. The bridge is a cable stayed design with two main towers; two large box girders run along the underside of the entire bridge deck. The bridge members, including the towers, box girders, and cross girders, are fabricated from weathering steel. The bottom six feet of the tower interiors and the interiors of the cross girders are coated. In 2017, under HNTB's task order agreement, KTA performed a corrosion assessment of the weathering steel towers and girders, performed laboratory testing, and prepared a report detailing the conditions found and providing recommendations for the remediation of the corrosion problems.



In 2017, KTA performed a corrosion assessment of the US 90 Morgan City Bridge over the Atchafalaya River located in Morgan City, Louisiana. Ramp A, Ramp F, span over LA 182, Ramp I, Ramp J, span over Victor II, Crook Collins Canal, Levy Canal, East approach, and West approach spans were also included in the assessment. KTA also performed laboratory testing and prepared a report detailing the conditions found and providing recommendations for the remediation of the coating problems.

KTA Personnel: Robert S. Lanterman

Firm name	Marrero, Couvillon & Associates, LLC		Past Performance Evaluation Discipline(s)*	Bridge
Project name	US 11 Lake Pontchartrain Bridge Rehab		Firm responsibility (prime or sub?)	Sub
Project number	H.010016	Owner's name	DOTD	
Project location	Orleans and St. Tammany Parishes		Owner's Project Manager	Justin Guilbeau
Owner's address, phone, email	LA DOTD District 02, (504) 253-6120, Justin.Guilbeau@LA.GOV			
Services commenced by this firm (mm/yy)	11/13	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$151

The US 11 bridge, which crosses the East end of Lake Pontchartrain in Orleans and St. Tammany Parishes, near the City of Slidell, was constructed in 1938. The bridge structure has two double-leaf movable bascule spans known as “North Draw” and “South Draw.” The purpose of the project was to comprehensively rehabilitate the structure.

MCA was engaged to evaluate the condition of the Operator’s House for both architectural and mechanical systems, make recommendations for repair/replacement, and to undertake the design for this work. Design must be sensitive to the historic nature of the bridge and operator’s houses.

The scope of services includes:

- a. Site inspection to identify all architectural and mechanical systems to be rehabilitated, including modifications needed to meet codes and regulations, or to improve functionality and reliability.
- b. Prepare a scope of work document with associated cost.
- c. Preliminary plans.
- d. Final plans and specifications.
- e. Construction cost estimate.
- f. Construction related engineering support.



Key Personnel:

- Greg DeCoursey, AIA – Project Manager**
- Brian Miller, PE – Sr. Mechanical Engineer**
- Tom Johnson, PE – Sr. Mechanical Engineer**

Firm name	Marrero, Couvillon & Associates, LLC		Past Performance Evaluation Discipline(s)*	Bridge
Project name	Harvey Canal LA 18 Bridge @ 4 th Street Rehab		Firm responsibility (prime or sub?)	Sub
Project number	H.010882	Owner's name	Louisiana Department of Transportation	
Project location	Jefferson Parish	Owner's Project Manager	Kurt Brauner	
Owner's address, phone, email	LA DOTD, (225) 379.1933, kurt.brauner@LA.GOV			
Services commenced by this firm (mm/yy)	10/13	Total consultant contract cost (\$1,000's)	Unknown	
Services completed by this firm (mm/yy)	05/16	Cost of consultant services provided by this firm (\$1,000's)	\$87	

The LA 18 Bridge, which crosses Harvey Canal in Jefferson Parish was constructed in 1975. It is a hydraulic cylinder driven, double, rolling leaf Bascule Bridge. The bridge operates about 600 times per month. The scope of the project was to provide a comprehensive rehabilitation of the structural, architectural, mechanical, and electrical components that will allow the bridge structure to remain in service for an additional 30-40 years with routine maintenance.

MCA was engaged to evaluate the condition of the Operator's House for both architectural and mechanical systems, make recommendations for repair/replacement, and to undertake the design for this work. The scope of services includes:

- a. Site inspection to identify all architectural and mechanical systems to be rehabilitated, including modifications needed to meet codes and regulations, or to improve functionality and reliability.
- b. Prepare a scope of work document with associated costs
- c. Preliminary plans
- d. Final plans and specifications
- e. Construction cost estimate
- f. Construction related engineering support.



Key Personnel:

Greg DeCoursey, AIA – Project Manager
Brian Miller, P.E. – Sr. Mechanical Engineer

18. Approach and Methodology:

SDR has been successfully serving DOTD as a prime contractor on multiple IDIQ contracts over the past fifteen years and has also, served as the prime consultant for the development of the DOTD Bridge Design and Evaluation Manual. SDR's team composition for this project is designed to provide and highlight unique capabilities to meet all aspects of the work scope.

Team Composition: SDR will be assisted by **Burgess & Niple** (B&N) for performing the structural inspection. Since 1969, B&N has performed more than 28,000 NBIS bridge inspections throughout the United States and has delivered Bridge Inspection & Engineering services to DOTD consistently since 2005. SDR and B&N have over 30 NBIS bridge inspectors, available for this project, who have previously conducted in-depth inspection of over thirty major complex bridge crossings for DOTD. In addition to NBIS level inspection, SDR prepared preliminary and final repair plans for six major bridges (ex. H.011484-US 80 Red River Bridge, H.011487-LA 182 over Berwick Bay, H.010498-Luling Bridge, H.002281-Big Bayou Sara Bridge and H.009859.5- Mermentau Bridge, a swing truss).

Forte and Tablada (F&T) will provide any required underwater point cloud imaging and survey services. F&T has a proven record of utilizing the latest remote sensing technology, including a 360-degree mobile imaging camera, a 24-foot boat with a mounted R2Sonic 2022 Multibeam Echosounder for underwater point cloud imaging, and an 18-foot boat with single beam hydrographic surveying capabilities. When a superstructure is not easily accessible by personnel or underwater foundations, Forte and Tablada has the personnel and equipment to measure out-of-reach bridge components efficiently and accurately without costly specialized access teams.

Specialty Diving of Louisiana (SDLA) will perform Underwater Inspection. SDLA offers full-service commercial diving and has conducted thousands of underwater bridge inspections since their inception 26 years ago. Coating Inspection will be performed by **KTA-Tator**. KTA has the largest pool of Independent NACE Certified & SSPC-QP 5 Inspectors in the U.S. KTA will provide a broad range of in-

process inspection services to verify and test surface preparation and coating systems. **Marrero, Couvillon & Associates** (MCA) will conduct the mechanical and electrical inspections required for movable bridges, which shall comply with AASHTO Movable Bridge Inspection, AASHTO Evaluation and Maintenance Manual, and DOTD manuals and guides. We anticipate that the scope of work will include plan preparation for the maintenance of traffic (MOT). **Stanley Consultants** is very familiar with DOTD traffic control requirements and will remain squarely focused on safety of both the traveling public and inspection personnel. As required, Stanley will provide traffic plans and roadway design for preliminary and final plans.

Concurrent tasks and speed of execution: SDR's team composition allows for sufficient staff to perform multiple large inspection tasks concurrently with over thirty (30) NBIS bridge inspectors and eight (8) ATSSA-certified Team Leaders on staff. Our unique access methods will allow inspection of a superstructure and/or underwater foundations that is not easily accessible by personnel. We do have the necessary equipment to measure out-of-reach bridge components efficiently and accurately without costly specialized access teams. Our team's ability to remotely measure bridge features, without direct contact, improves the safety of field personnel, and accelerates delivery schedule.

Repair/Rehabilitation & Accelerated Bridge Construction (ABC): The main challenge for the repair project is selection of appropriate repair/strengthening methodology to limit traffic interruptions and excessive bridge closure. Limiting impact could be enhanced through the selection of the bridge elements and construction methods. The suitability of accelerated construction techniques should be considered to shorten construction time and minimize impact on the public. SDR has performed a significant number of projects over the US and for DOTD utilizing ABC, having pioneered the use of advanced Carbon Fiber Reinforced Polymer, CFRP, in bridge rehabilitation in the early 90's. SDR has completed over 1200 repair projects utilizing these innovative techniques. An example is the rehabilitation of H.013450-LA 27 I-10 Overpass where CFRP repair of concrete elements and heat straightening of steel beams was used for the first time in Louisiana. Other similar projects include H.013378.5- I-10 East at the High-Rise Fire Damage Repair, and H010016- US11 over lake Pontchartrain. All these examples included in-

depth inspection, rapid assessment, development of repair plans and construction support.

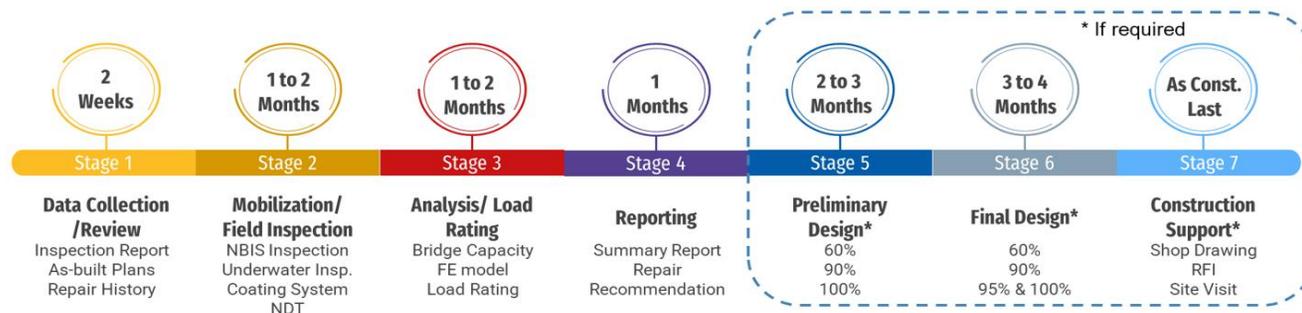
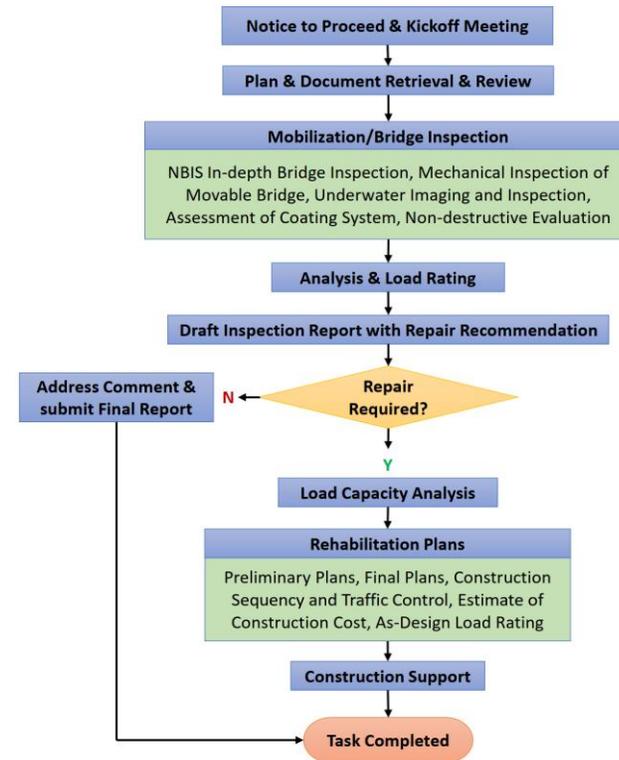
Emergency Response: SDR has an established emergency response plan for inspection and structural damage assessment of bridges that has been used and refined over twenty years for rapid assessment of bridges. Customized in house software programs installed on laptops are used for on-the-fly structural analysis and assessment of existing damage due to impact, flooding, and any other unforeseen circumstances. The ability for rapid assessment guides the bridge owners in their decision to open, close or limit access to a certain type of vehicle.

Experience of Project management Team: Dr. Liang, SDR PM, and Dr. Seliem, SDR deputy PM, have proven records of serving efficiently as project managers on multiple IDIQ contracts over the past 15 years. Both will ensure consistent and clear communication to keep DOTD abreast of any schedule changes and timely overall project progress.

The main scope of each task is to perform statewide NBIS in-depth inspections of complex structures and any necessary underwater inspections of submerged bridge elements. Services include assessment of the coating system (if required) and NDT evaluation when necessary. When necessary, MOT plans will be coordinated with and submitted to the district where work is being performed.

Generally, bridge inspection projects are broken down into three primary phases: mobilization/field inspection; analysis and load rating; and reporting with project management and quality control & assurance deeply woven into each phase. At the conclusion of each task, a report is prepared and submitted to DOTD PM containing recommendations as to

repairs, rehabilitation, load capacity analysis, corrections, and any other maintenance functions related to observed deficiencies and deteriorations. If repairs are required, the consultant may be assigned a supplemental task to develop design repairs/rehabilitation plans. An example of a single task in an IDIQ contract order is represented by the shown flowchart and sample schedule.



Approach to Scope of Services

Upon receiving task order from DOTD, SDR's team will review the bridge list for inspection type, bridge type, access method, geographic area, railroad impacts, if any, and urgency, as determined by DOTD PM. A tentative schedule will be developed optimizing labor and expenses. If railroad permits and/or flagger scheduling are required, obtaining these permits will begin immediately with NTP in-hand. RR's are generally slow to respond, and expedited submittal is essential.

Kickoff Meeting

Prior to the kickoff meeting, 1) Coordinate with DOTD Project Manager on date, time and required attendees, 2) Request for review all available and relevant bridge data including prior bridge inspection/load rating reports, 3) Investigate maintenance of traffic requirements, 4) Prepare tentative work plan and schedule, 5) Prepare Quality Control Plan for the task, 6) Prepare an agenda for the kickoff meeting and submit all relevant information to DOTD PM for review and distribution to attendees for discussion during the kickoff meeting.

The kickoff meeting will be used to: 1) Establish clear understanding of the project goals and discuss any DOTD and Parish concerns to be addressed in terms of access and MOT, 2) Determine the frequency for coordinating progress meetings and developing line of communication, 3) Discuss and finalize proposed work plan, QC plan and work schedule.

Based on the comments from the kickoff meeting, a refined work plan, task schedule and QC/QA process plan will be submitted to DOTD PM for approval prior to starting the inspection work.

Prior to the inspection, we will review the bridge-specific inspection procedures for opportunities to improve efficiency and reduce traffic impacts. Updates will be discussed with DOTD and, if necessary, an updated inspection procedure document will be submitted for approval prior to the inspection.

Field Inspection: Access methods and associated equipment for achieving arms-length reach of all components shall be identified and utilized. Arrangements shall be made to have the bridge thoroughly cleaned before inspection to remove dirt and debris that would inhibit visual observations and taking measurements. All inspections shall be conducted under the direct supervision of the Inspection Team Leader, who is also responsible for performing quality assurance. SDR's team has the technical expertise & staff

capacity necessary to provide all the equipment & labor required to perform in-depth & fracture critical inspections. In addition, our team is experienced in NDT conducting Ultrasonic testing of pins and Ground-Penetrating Radar (GPR) to measure concrete cover, locate the position, and approximate size of embedded steel reinforcement, if required. We have also used Pulse Velocity, Impact-Echo, Infrared Thermography, Neutron Probe for Detection of Chlorides, Endoscopes and Videoscopes for post tension inspection, and Chloride Testing on numerous projects. We are familiar with OSHA safety standards and performing NBI Element Level and Fracture-Critical inspections in accordance with all FHWA and DOTD manuals and guidance. The great majority of inspection engineers and technicians allocated to this project hold SPRAT certifications, including **seven (7) Level III Technicians**.

When there are limited or no construction drawings available, it will be necessary to get detailed measurements of structural members and the general configuration of the structure. In addition, locations, distribution, and size of the reinforcement need to be verified using a digital multi-detector and limited invasive testing.

Our inspection team leaders have extensive experience utilizing climbing techniques as well as mechanical access, sometimes in conjunction with each other to efficiently reach all components of a bridge. Each Lead Inspector must directly oversee all work performed on-site by any supporting staff assisting them during the inspection.

Paint/Coating Systems & Laboratory Analysis: When required, KTA shall assess the current paint/coating systems for relevant physical and chemical properties of the existing systems and performance. This work includes visual examination of visible coating deterioration/corrosion in accordance with SSPC-VIS 2, surface area take-offs if required, measurement of the total dry film thickness of the existing coating systems, examination of substrate beneath the coating to verify the type of surface preparation previously performed, and to identify potential concerns. Coating adhesion will be assessed in accordance with ASTM D3359.

SDLA will perform underwater inspection and F&T will provide any required underwater point cloud imaging. F&T utilizes remote sensing technology, including a 360-degree mobile imaging camera, a 24-foot boat with a mounted R2Sonic 2022 Multibeam Echosounder for underwater point cloud imaging, and an 18-foot boat with single beam hydrographic surveying

capabilities. Our team has the personnel and equipment to measure out-of-reach bridge components efficiently and accurately without costly specialized access teams.

Our team has developed and/or enhanced tools and techniques in-house, such as beam rollers, which minimize and/or eliminate the need for costly mechanical access and/or traffic control. Should critical findings be identified, they will be immediately brought to the attention of appropriate DOTD personnel; these will be discussed in thorough detail on site prior to any final decisions being made.

Our **fully digital project process** streamlines all inspection activities and reporting. Field documentation/observation is entered on customized iPads throughout the inspection process ensuring smooth, efficient, and accurate high-quality reports.

Ground-Penetrating Radar (GPR):

In addition to traditional bridge inspection, SDR has the capability of utilizing ground penetrating radar (GPR) in the inspection of bridge decks. Recently, SDR inspected and evaluated decks of five bridges using GPR system, including a 4.4-mile-long I-10 Bridge (RC #300240) and a 2.3-mile-long US-90 bridge (Contract No. 4400017310). Air-launched GPR was mounted on a vehicle traveling at highway speed while scanning the deck, which allowed bridge deck inspection without closing the traffic. The collected data was processed later to generate contour maps, showing the location and severity of deficiencies on the deck surface as well as inside the deck. These unique capabilities could be utilized on this project if needed.

Analysis and Load Rating: LRFR load rating will be performed by SDR engineers considering inspection findings. In some bridges, the analysis might show low load rating values; however, field observation shows no deficiencies. In these cases, higher level of refined analysis might be necessary to avoid unnecessary repair/strengthening. Also, for bridges with missing plans, a refined computer model using the data collected from the field is necessary to accurately assess the bridge capacity. SDR's engineers are experts in refined finite element modeling and condition assessment and have proven records of performing complex FE analysis on numerous projects for DOTD.

Reporting: SDR's team has extensive experience on large inspection projects utilizing AssetWise reporting systems. We build our iPad-based data collection system "working backwards from the deliverable" to ensure

data collection is performed in the most efficient manner to smooth entry into AssetWise. **We put additional effort and focus into Repair and Maintenance Recommendations to assure they are accurate, sensible, and appropriate.**

Preliminary and Final Plans: As stated in the RFP, development of Preliminary and Final Plans could be performed under supplemental task if repairs were recommended in the report and approved by DOTD. Our team will follow the latest DOTD requirements for development of different milestone submittals for both Preliminary Plans and Final Plans, including the use of the latest approved Greenbook, DOTD EDSMs, Minimum Design Guidelines, Complete Streets Initiative, DOTD and AASHTO Bridge Design Manuals, Bridge Design Technical Memorandums (BDM), Hydraulics Manual, and DOTD CAD standard submittals. The design requirements are clearly stated in the RFP and our team will conform to all requirements in the development of the preliminary and final plans.

Construction Support: Upon award of the project and contract execution, the SDR construction support lead, along with select members of the design team will assist the DOTD Project Manager in addressing and coordination of all construction enquiries.

Quality Control & Assurance: SDR will provide the DOTD PM the internal QA/QC manual for the design team. This manual will be the basis of our team's quality control and quality assurance for each submittal; additionally, we will supplement this manual with all required DOTD checklists for the submittals. Our team will also perform independent QC reviews at all submittal milestones by team members who are not directly associated with the progression of the project. These reviewers will check the inspection data and reports for accuracy and compare them to field notes, check calculations/analyses and ensure that all recommendation are valid and supported by sound engineering judgment. Our team will maintain records of all correspondence between the SDR PM and the DOTD PM.

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)	State project number	Project name	Remaining unpaid balance**
SDR Engineering Consultants, Inc. 	Bridge	4400021595	TO # 2-LG Girders Design Charts	\$48,000
		H.009859.5	TO # 12 Rehabilitation of LA 3094 Bridge	\$800
		H.014288.2	TO # 13 LA 82 Mermentau Bridge Rehab	\$12,500
		H.009859.5	TO #14 LOAD RATING	\$362,000
		H.009730.5	H.009730.5 / TO # 3	\$38,900
		H.009859.5	H.009859.5 / TO # 2	\$36,400
Forte & Tablada, Inc. 	Bridge	H.012485.1	IDIQ Contract 4400010099, Task Order No. 4 Off System Bridge Load Rating, Statewide	\$ 190,738
		H.012485.1	IDIQ Contract 4400010099, Task Order No. 5 Bridge and Culvert Load testing	\$276,656
	Survey	H.014628.5	IDIQ Contract 4400010587, Task Order No. 17 Turn Lanes at Rice Mill	\$71,418
		H.014219, H.014222, H.014228, H.014231, H.014236, H.013954, H.013979, H.013985, H.013992, H.013994, H.013995, H.013990	Rural Bridge Replacement Initiative	\$54,676
		H.003931.5	IDIQ Contract 443015237 I-10 Calcasieu River Bridge Replacement	\$2,067,730

		H.004273.5	DOTD I-49 Connector (Lafayette Regional Airport to I-10/US 167 Interchange)	\$119,318
		H.012485.1	IDIQ Contract 4400010099, Task Order No. 3 Metal Culverts Inspection, Statewide	\$103,399
		H.011684	LA 327 Spur: Staring Lane Extension Route LA 327-S	\$50,279
		H012072	LA 60 Drain Bridge	\$1,428
Burgess & Niple, Inc. BURGESS & NIPLE	Bridge	H.009859	Retainer Contract for Complex Bridge Rating Services – Task Order 5	\$39,117
Stanley Consultants, Inc. 	Road	H.011781.5	LA 675 & LA 87 Improvements in New Iberia	\$41,647
		H.011137	I-12 (LA 21 to US 190) Widening Design and Construction	\$45,152
		H.013643.5	LA 951 Roadway Washout Repairs	\$1,373
		H.011909	US 171 at Boone St. Roundabout	\$6,053
		H.010960	LA 30 Roundabouts Design	\$5,926
		H.012863.5	Cypress Island Highway	\$18,029
		H.001344	US 190: LA 437 to US 190 BUS (Ph.1)	\$2,529
Specialty Diving of Louisiana, Inc. 	Bridge			N/A
KTA-Tator, Inc. 	Bridge	4400013321	IDIQ Contract for In-Depth Bridge Inspection Statewide (sub to HNTB) – KTA has not received any task order assignments on this contract to date.	N/A
		4400013322	IDIQ Contract for In-Depth Bridge Inspection Statewide (sub to Gresham, Smith & Partners) Task Order #4 – In-Depth Inspection of Complex Structures	\$59,234

		4400020156	State Project No. H.011965.5, LA 47; IWGO Bridge Rehabilitation (sub to TRC)	\$11,294
Marrero, Couvillon & Associates, LLC 	Bridge	H.011705.6	US 11 Lake Pontchartrain Bridge Rehab-CA Services	\$0

20. Certifications/Licenses:

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

Zhiyong Liang PhD, PE



National Highway Institute
Certificate of Training



Zhiyong Liang

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

hosted by
Indiana Department of Transportation

Date: December 1-4, 2020
Location: Virtual Delivery, MI

Hours of Instruction: 18

John A. Maggard, PE
Digitally signed by John A. Maggard, P.E.
Date: 2020.12.18 13:18:38 -0500

Instructor
Finn K. Hubbard
Finn K. Hubbard
2020.12.09 08:24:05
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Instructor

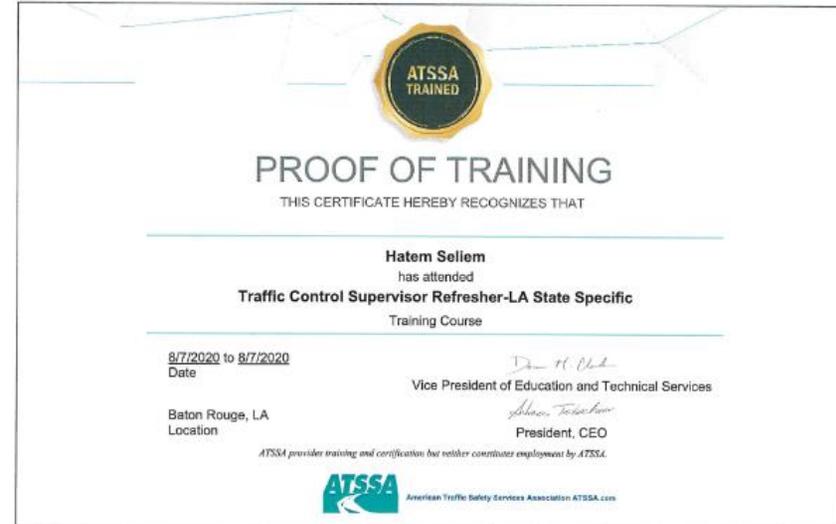
William Dittrich

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute





Greg Fussell, PE



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute



Certificate of Training

GREG FUSSELL

has participated in

FHWA-NHI-130055

Safety Inspection of In-Service Bridges

hosted by

LA DOTD/LTRC

Date: December 4-15, 2017

Hours of Instruction: 67

Location: Baton Rouge, LA

Guy R. Lang, PE
Instructor

Allison H. Landry
Local Coordinator

Paul Maitens, PE
Instructor

Valerie Briggs
Valerie Briggs, Director
National Highway Institute



Osama ElSaad, PE



National Highway Institute



Certificate of Training

OSAMA ELSAAD

has participated in

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

hosted by

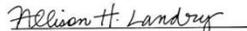
LA DOTD/LTRC

Date: *October 11-15, 2021*

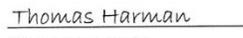
Hours of Instruction: 34

Location: *Baton Rouge, LA*


Instructor


Local Coordinator


Instructor


Thomas Harman, Director
National Highway Institute



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Osama Elsaad
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

8/7/2020 to 8/7/2020
Date

Baton Rouge, LA
Location

8/7/2020 to 8/7/2020
Date

Baton Rouge, LA
Location

Demetrius H. Clark
Vice President of Education and Technical Services

Shawn Teichner
President, CEO

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





Adnan Elsaad, PE




PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Adnan Elsaad
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

8/7/2020 to 8/7/2020
Date

Demetri H. Clark
Vice President of Education and Technical Services

Baton Rouge, LA
Location

Abbas Tashkour
President, CEO

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

 American Traffic Safety Services Association ATSSA.com



Ahmed Rageh PhD, PE



National Highway Institute



Certificate of Training

Ahmed Rageh

has Successfully Completed

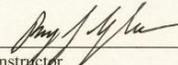
FHWA-NHI-130055 Safety Inspection of In-Service Bridges

hosted by

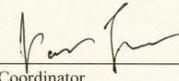
SDR Engineering Consultants

Date: January 10-21, 2022
Location: Tallahassee, FL

Hours of Instruction: 67



Instructor



Local Coordinator



Instructor

Thomas Harman

Thomas Harman, Director
National Highway Institute



Andres Rodriguez, EI





U.S. Department of Transportation
Federal Highway Administration

National Highway Institute



Certificate of Training

Dylan Boudreaux

has Successfully Completed

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

hosted by

SDR Engineering Consultants

Date: January 10-21, 2022

Hours of Instruction: 67

Location: Tallahassee, FL



Instructor



Local Coordinator



Instructor

Thomas Harman

Thomas Harman, Director
National Highway Institute



Bradley Holleman, PLS



LOUISIANA ASSOCIATED GENERAL CONTRACTORS, INC.

866 North Street – Baton Rouge, LA 70802
Phone: 225/344-0432 * Fax: 225/344-0458
www.lagc.org

March 16, 2021

To Whom It May Concern,

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

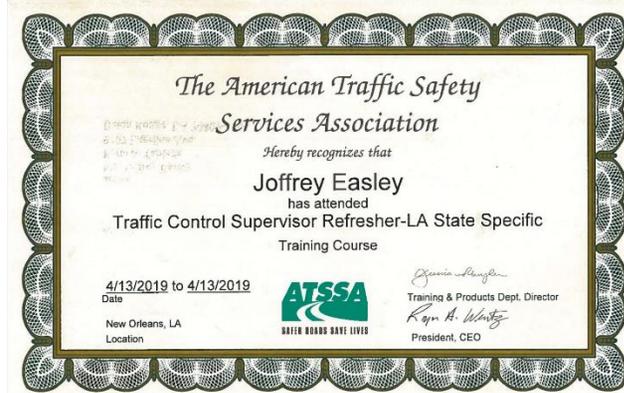
ATSSA Traffic Control Supervisor Refresher Training – January 27, 2021 – Brad Holleman

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

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

Best Regards,

Michael Demouy – LAGC Manager



Dear Certified Flagger:

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

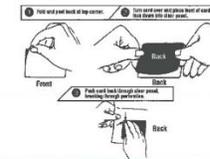
American Traffic Safety Services Association (ATSSA) commends you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the "Leader in Roadway Safety" and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any changes in name or address so we may keep our records up to date.

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

Sincerely,

Jessica Shugler
 Director of Training

Laminating the front of your card with Dual Laminate:



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

National Highway Institute
Certificate of Training
LEVI YANTIS
has Successfully Completed
FHWA-NHI-130053
Bridge Inspection Refresher Training
hosted by
LA DOTD/LTRC

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

Instructor: *John Harman*
 Local Coordinator: *William H. Landry*
 Thomas Harman, Director
 National Highway Institute

National Highway Institute
Certificate of Training
LEVI YANTIS
has participated in
FHWA-NHI-130055
Safety Inspection of In-Service Bridges
hosted by
LA DOTD/LTRC

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

Instructor: *Paul M. ...*
 Local Coordinator: *William H. Landry*
 Valerie Briggs, Director
 National Highway Institute



SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS

SPRAT

Acknowledges that
LEVI YANTIS
has demonstrated through practical and written examinations, attainment of SPRAT's Certification Requirements for Rope Access Work, and is therefore
CERTIFIED
Level 1 Rope Access Technician

SPRAT #2106328
 AWARDED: February 26, 2021
 Expires: February 26, 2024

TRAIL EVALUATORS COMMITTEE CHAIR
 TOM WEAVER SPRAT PRESIDENT

National Highway Institute
Certificate of Training
LEVI YANTIS
has participated in
FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges
hosted by
LA DOTD/LTRC

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

Instructor: *Ben ...*
 Local Coordinator: *William H. Landry*
 Michael Davis, Director
 National Highway Institute

National Highway Institute
Certificate of Training
Levi Yantis
has participated in
 NHI Course No. FHWA-NHI-130107C
Maintenance of Movable Bridges
hosted by
National Highway Institute

Location: Web-Based Course Hours of Instruction: 4 hours
 Date: 2/15/2020

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



Edward Cinadr **BURGESS & NIPLE**



SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS



Acknowledges that
EDWARD CINADR

has demonstrated through practical and written examinations, attainment of SPRAT's

Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level 2 Rope Access Technician

SPRAT #120174

AWARDED: January 28, 2022
Expires: February 08, 2025

Tom Woody
TECHNICAL EVALUATIONS COMMITTEE CHAIR
TOM WOODY, SPRAT PRESIDENT

©2012 The Society of Professional Rope Access Technicians



National Highway Institute
Certificate of Training



Ed Cinadr
has participated in

FRACTURE CRITICAL INSPECTION TECHNIQUES FOR STEEL BRIDGES

hosted by
Oregon Department of Transportation

Date: February 1 - 4, 2011
Location: Portland, Oregon

Hours of Instruction: 20

J. Eric Morrow
Instructor
James A. Dooly
Instructor

Louis Schaefer
Local Coordinator
Richard Barnaby
Richard Barnaby, Director
National Highway Institute



National Highway Institute
Certificate of Training
Edward M. Cinadr



has participated in

Safety Inspection of In-Service Bridges

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

Date: January 3 - 14, 2011
Location: Sacramento, California

Hours of Instruction: 60 hours (10 days) Course # 130055

Greg A. Kelle
Instructor
W. Ronald Gardner
Instructor

Judi L. Wong
Local Coordinator
Judi L. Wong
Richard Barnaby, Director
National Highway Institute



National Highway Institute
Certificate of Training



Ed Cinadr
has participated in

FRACTURE CRITICAL INSPECTION TECHNIQUES FOR STEEL BRIDGES

hosted by
Oregon Department of Transportation

Date: February 1 - 4, 2011
Location: Portland, Oregon

Hours of Instruction: 20

J. Eric Morrow
Instructor
James A. Dooly
Instructor

Louis Schaefer
Local Coordinator
Richard Barnaby
Richard Barnaby, Director
National Highway Institute

SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS



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

CERTIFIED

LEVEL II ROPE ACCESS TECHNICIAN

AWARDED: JANUARY 30, 2015
Expires: February 3, 2018

Michael Seal
LAWREAN EVALUATIONS COMMITTEE CHAIR
Michael Seal
MICHAEL SEAL, SPRAT PRESIDENT

© 2012 The Society of Professional Rope Access Technicians



Brendan J. Prendeville **BURGESS & NIPLE**



SOCIETY OF PROFESSIONAL ROPE ACCESS TECHNICIANS



Acknowledges that

BRENDAN J. PRENDEVILLE

has demonstrated through practical and written examinations, attainment of SPRAT's

Certification Requirements for Rope Access Work, and is therefore

CERTIFIED

Level 2 Rope Access Technician

SPRAT #080310

AWARDED: January 28, 2022
Expires: January 28, 2025

[Signature]
TROLL EVALUATION COMMITTEE CHAIR
[Signature]
TOM WOOD SPRAT PRESIDENT

©2012 - Present, Society of Professional Rope Access Technicians



National Highway Institute
Certificate of Training
Brendan J. Prendeville

has satisfactorily completed training in
Safety Inspection of In-Service Bridges

Hosted by

Texas Department of Transportation

Location: Austin, TX

Hours of Instruction: 72

Date: March 7-18, 2005

Continuing Education Units: 6.0

[Signature]
[Signature]
Director, Office of Professional Development
Federal Highway Administration

[Signature]
R.A.C. BUILD, 2015, Theories
Training: Quality and Development Section
[Signature]
Director, Office of Professional Development
Federal Highway Administration



National Highway Institute
Certificate of Training

Brendan Prendeville

has participated in

FRACTURE CRITICAL INSPECTION TECHNIQUES FOR STEEL BRIDGES

hosted by

Oregon Department of Transportation

Date: February 1 - 4, 2011

Hours of Instruction: 20

Location: Portland, Oregon

[Signature]
Instructor
[Signature]
Instructor

[Signature]
Local Coordinator
[Signature]
Richard Barnaby, Director
National Highway Institute



National Highway Institute
Certificate of Training

Brendan J. Prendeville, P.E.

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

The American Council of Engineering Companies of WV

Date: November 20-22, 2011
Location: Charleston, WV

Hours of Instruction: 18

[Signature]
Instructor
[Signature]
Instructor

[Signature]
Local Coordinator
[Signature]
Richard Barnaby, Director
National Highway Institute



National Highway Institute
Certificate of Training

Brendan Prendeville

has participated in

FRACTURE CRITICAL INSPECTION TECHNIQUES FOR STEEL BRIDGES

hosted by

Oregon Department of Transportation

Date: February 1 - 4, 2011

Hours of Instruction: 20

Location: Portland, Oregon

[Signature]
Instructor
[Signature]
Instructor

[Signature]
Local Coordinator
[Signature]
Richard Barnaby, Director
National Highway Institute



Michael Kronander BURGESS & NIPLE



Michael Kronander

Plain City, OH
USA

SPRAT Cert. # 150523
Certification Date: 12 MAR 2021
Renewal Date: 3 APR 2024





National Highway Institute

Certificate of Training

James Appler

has participated in

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

hosted by

Wallace Montgomery

Date: October 08-11, 2019 Hours of Instruction: 25
 Location: Hunt Valley, MD

[Signature]
 Instructor

[Signature]
 Local Coordinator

[Signature]
 Michael Davis, P.E.
 Director, National Highway Institute




National Highway Institute

Certificate of Training

James Appler

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Collins Engineers, Inc.

Date: March 16-18, 2021 Hours of Instruction: 18
 Location: Virtual Delivery, IL

[Signature]
 Instructor

[Signature]
 Local Coordinator

[Signature]
 Thomas Harman, Director
 National Highway Institute




National Highway Institute

Certificate of Training

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 Hours of Instruction: 67 Hours
 Location: Chicago, IL

[Signature] PE
 Instructor

[Signature]
 Local Coordinator

[Signature]
 Valerie Briggs, Director
 National Highway Institute




James Kretzler, ASNT NDT Level III



**The American Society for Nondestructive Testing, Inc
International Service Center**

1711 Arlingate Lane, Columbus, Ohio 43228-0518
(614) 274-8003 | (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 heretofore published ASNT 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

John E. Johnson
ASNT - Director of Certification

186946
Certificate Number

Robert Lanterman, PCS



www.sspc.org 800 Trumbull Drive Pittsburgh, PA 15205 P: 412.281.2331 T: 877.281.7772 F: 412.444.3591

January 9, 2020

Mr. Robert Lanterman, PCS
KTA-Tator, Inc.
115 Technology Drive
Pittsburgh PA 15275

Subject: SSPC Protective Coating Specialist (PCS) Recertification

Encl: Wallet ID Card, Certificate **Certification #: 2015-820-136**

Dear Mr. Lanterman,

This letter is to inform you that you have successfully completed your SSPC Protective Coatings Specialist (PCS) recertification.

This certification is awarded for a new term of four years and will expire on 12/31/2023.

At your four (4) year renewal date, you must submit documentation of 32 points of continuing education (CEU) to renew your certification.

Information on your next recertification will be mailed to you 6 months prior to expiration. In order to receive the information, you must notify SSPC of any change of address or employment. It is the responsibility of each certified individual to keep SSPC current on his or her contact information. SSPC will not be responsible for certifications that lapse because a reminder letter was sent to an incorrect address.

If you have any questions about your certification, please contact Silvia Palmieri at 412- 281-2331 Ext. 2201 or by e-mail at palmieri@sspc.org at your convenience.

You may also contact me directly at Ext. 2221 if you have any comments or concerns that you would like me to address. We appreciate your participation and are here to serve you.

Sincerely,

Jennifer Merck
Director of Training & Certification



April 22, 2019

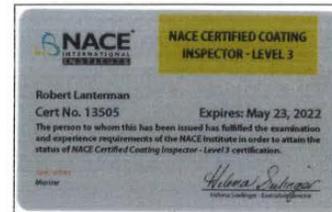
Robert Lanterman
KTA-Tator Inc
115 Technology Dr.
Pittsburgh, PA 15275-1005

Your New Certification Card

Thank you for renewing your NACE International Institute certification. You are part of an elite group of certified professionals dedicated to protecting people, assets, and the environment from the effects of corrosion.

It is with great pleasure that we enclose your new NACE International Institute certification card. This important card includes your certification number and expiration date. If you ordered an embosser, plaque, or an update tag, it will be shipped separately. Please note that certification cards have recently been updated to better align with NACE branding. If you have any questions or need additional information regarding your certification, please call the First Service Department at 1-800-797-6223 (U.S. & Canada) or +1-281-228-6223 (Worldwide). Alternatively, you can e-mail us at FirstService@nace.org.

Thank you for choosing The NACE International Institute as your trusted source for corrosion information and expertise.



Specialty Diving of Louisiana, Inc.



ASSOCIATION OF DIVING CONTRACTORS INTERNATIONAL

HAVING TO PLEDGE TO SUPPORT THE PURPOSES OF THIS ASSOCIATION

SPECIALTY COMPANIES

IS RECOGNIZED AS A GENERAL MEMBER FOR THE CURRENT YEAR
SCOPE OF WORK: COMMERCIAL DIVING AND MARINE SERVICES

2021

MEMBER # 3970



Phil Newsum
Executive Director



WWW.ADC-INT.ORG

Blake Roussel, PE, PMP



Certificate of Professional Development Hours
presented to

Blake Roussel

for attending the

**Highway Safety Manual Workshop
12.0 PDHs**

on

December 3-4, 2014

Baton Rouge, Louisiana

Authorized By



Certificate of Attendance

presented to

Blake Roussel

for attending

**Advanced Highway Safety Manual Training –
Interactive Highway Safety Design Model (IHSDM)**

16 Professional Development Hours

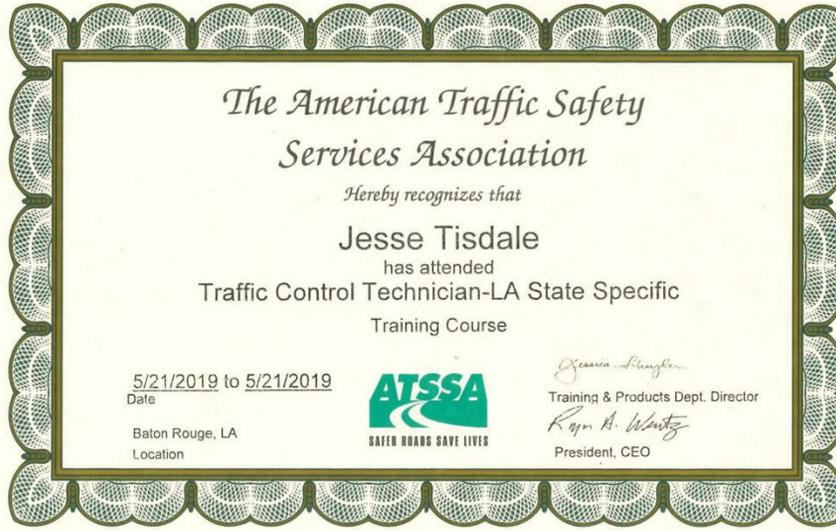
June 5-6, 2018

Baton Rouge, Louisiana

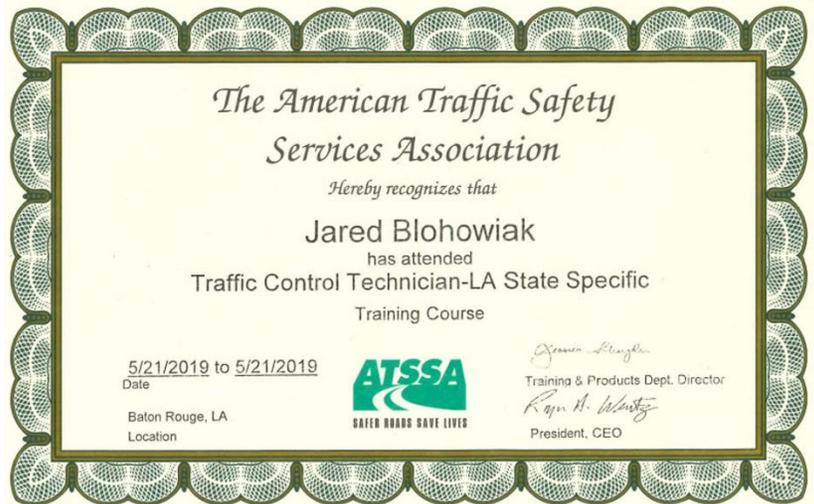
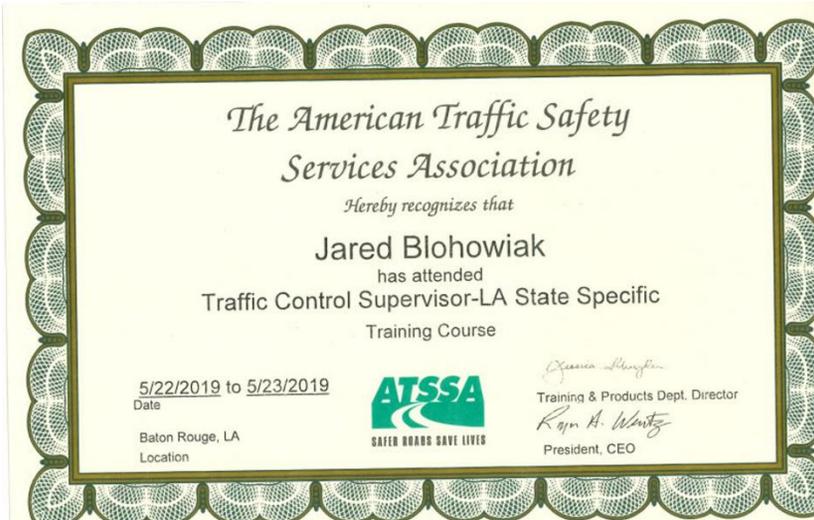
Authorized Instructor



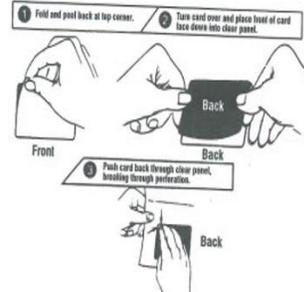
Jesse Tisdale, PE







Laminating the front of your card with Dual Laminate:



AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION
 15 RIVERSIDE PARKWAY • SUITE 100 • FREDERICKSBURG, VA 22406-1022
 TEL 540-368-1701 • FAX 540-368-1717 • TOLL FREE 800-272-8772 • TRAINING 877-642-4637
www.atssa.com



Kayla Lafitteau, EI



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

October 21, 2020

To Whom It May Concern,

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

ATSSA Traffic Control Technician Training – Aug. 4, 2020 – Kayla LaFitteau

ATSSA Traffic Control Supervisor Training – Aug. 5-6, 2020 – Kayla LaFitteau

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

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

Best Regards,

Michael Demouy – LAGC Manager



Jean Pierre G Thompson



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

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.
See QC/QA Plan after Section 23

QA/QC plan DELETED BY CCS

22. Sub-consultant information:

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

Firm Name (as registered with Louisiana’s Secretary of State)		Address	Point of Contact and email address	Phone Number
Forte & Tablada, Inc.		9107 Interline Avenue Baton Rouge, Louisiana 70809	Russell “Joey” Coco, Jr. jcoco@forteandtablada.com	225-927-9321
Burgess & Niple, Inc.	BURGESS & NIPLE	5085 Reed Road Columbus, OH 43220	Edward M. Cinadr, PE ed.cinadr@burgessniple.com	614.296.0522
Stanley Consultants, Inc.		721 Government Street, Suite 302, Baton Rouge, LA 70802	Blake S. Roussel, P.E., PMP RousselBlake@stanleygroup.com	225.936.1604
Specialty Diving of Louisiana, Inc.		24358 Gliderport Rd. Loranger, LA 70446	Deborah Wallace dwallace@sdive.com	985.542.8770
KTA-Tator, Inc.		145 Enterprise Drive Pittsburgh, PA 15275	Robert S. Lanterman rlanterman@kta.com	412.303.9407
Marrero, Couvillon & Associates, LLC		4354 S. Sherwood Forest Blvd.Suite D200 Baton Rouge, LA 70816	Brian Miller, PE BMiller@mca-llc.com	225.408.8249

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.